

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

**Request for Proposal (RFP) for  
Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network  
for Gujarat Fibre Grid Network Limited, Dept. of Science & Technology, Government of Gujarat**

**Issued by:**

**Gujarat Fibre Grid Network Limited**

Reference No: **GFGNL/GFG/e-file/263/2023/0122-2**

**24<sup>th</sup> February 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**

#### 4. Notice Inviting Proposal and Necessary Instruction

<b>Name of the work</b>	<b>Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network for Gujarat Fibre Grid Network Limited, Dept. of Science &amp; Technology, Government of Gujarat</b>
<b>Proposal due date (last of date of Tender submission)</b>	Tender should be submitted before <del>23/01/2025-07-Feb-2025</del> , <b>24/02/2025</b> , <b>05/03/2025</b> , 6:10 PM Bidder shall upload their bids on nprocure.

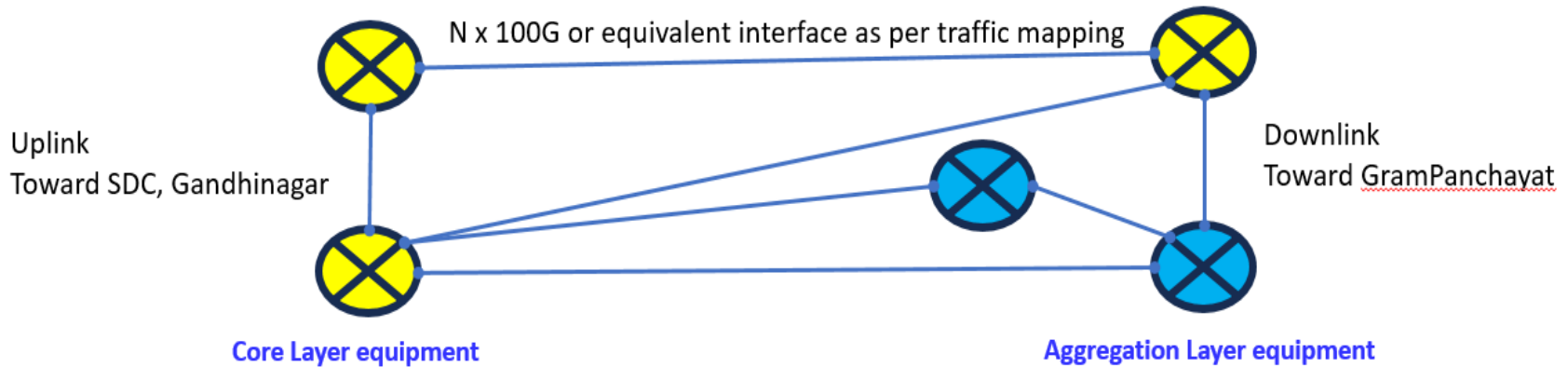
#### Modification in Clause:

S. No.	Clause/ Sub-clause no	Existing Clause	Modified Clause
1	6.c.xi	Final evaluation will happen on QCBS (60:40), standard QCBS methodology shall be adopted.	Final evaluation will happen on QCBS <b>(30:70)</b> , standard QCBS methodology shall be adopted.

#### Additional Clause

S. No.	Clause/ Sub-clause no	Additional Clause
1	Part-IV: Price BOQ	<p>d. The BoQ cost is price discovery purpose for scalability and expansion objectivity. Therefore, bidder is asked to keep each component in the priced BoQ financially realistic without overloading or under loading the individual item factoring 10 years warranty cost. The unrealistic rates or manipulated attempt shall be considered unethical and is good reason to ask for price levelling or disqualify the bidder on account of unethical practices related to price rigging.</p> <p>e. On requirement basis or on expansion of the network in Bhartnet Phase - 3, the tenderer may ask for delivery, installation and commissioning of individual item like Routers, pluggable SFPs, etc. or full solution including chassis, slot and associated additionally with 10 years warranty cost.</p>

**Visualization for Ports understanding:**



Core Layer Equipment (No of Ports)	Aggregation Layer Equipment (No of Ports)	Remarks
Minimum 800 G - Switching Capacity	Minimum 300G - Switching Capacity	Given is minimum baseline capacity, the bidder shall propose higher switch fabric & box capacity supporting cumulative traffic need wherever the capacity exceeds 800Gbps/300Gbps as per their solution and traffic aggregation
4 X 100G or 4 X 200G or 2 X 400G	3 X 100G	For Uplink traffic towards SDC, Gandhinagar
18 X 10G/25G	16 X 10G	<p><b>For Downlink traffic towards GP : Core Layer</b></p> <ul style="list-style-type: none"> <li>12 x 10G/25G : For Gram Panchayat ring parenting</li> <li>6 X 10G/25G : For commercialization activity ( GSWAN, Govt. Traffic, ILL for FTTH etc.)</li> <li>Note : For 10G/25G port, minimum 4 nos of supporting 25G and rest 14X10G port is allowed. In case of port limitation with core router, given above downlink port may be realized by deploying second router (drop Box) with minimum specification of aggregation layer (300G) router as part of offered solution.</li> </ul> <p><b>For Downlink traffic towards GP : Aggregation Layer</b></p> <ul style="list-style-type: none"> <li>12 x 10G : For Gram Panchayat ring parenting</li> <li>4 X 10G : For commercialization activity ( GSWAN, Govt. Traffic, ILL for FTTH etc.)</li> </ul>
6 X 1/10G	6 X 1/10G	For commercialization activity (Customer delivery, linear connectivity to GP/Village, Future expansion)
<p><b>P.N : The no. of ports mentioned are minimum non-negotiable requirement to meet RFP objective. The purpose mentioned is for better clarity and does not limit use of any port by GFGNL.</b></p>		

**Queries response:**

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
1	New	59	Implementation Of QCBS	<p>QCBS Criteria are not in line with established polices and guidelines.</p> <p>1. manual for procurement of consultancy and other services updated June 2022 has clearly defined QCBS criteria and weightage for works and Non consultancy services under section 9.17.6.1 . "The principles of QCBS shall be as provided in Rule 192(i), (ii) and (iii) of the GFR. However, the maximum weight of the non-financial parameters shall in no case exceed 30%."</p> <p>Considering the above, we request you to amend the clause as follows;-</p> <p>1. Kindly Reduce the Technical weightage to 30% from 70%</p> <p>2. Kindly Increase the financial weightage to 70% from 30%</p> <p>3. Kindly delete notional Space and Power</p>	<p>We had sought same clarification in our prebid queries, but the reference mentioned in the response is applicable to Procurement of consultancy services. This project is not for consultancy services and it but comes under For Procurement of Works &amp; Non Consultancy Services for which Non-financial parameters can not exceed 30%.</p>	<p>We have considered the request to downsize quality aspect. Please refer Corrigendum-IV.</p>

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				<p>calculations and weightage from Financial bid to technical bid evaluation.</p> <p>4. Kindly Revise the formula as follows;  Bidder Final Score (BFS) =  <math display="block">[(Tb/Thigh) \times 100 \times 0.3] + [(Flow/Fb) \times 100 \times 0.7]</math> This will bring parity in evaluating the solutions of various bidders</p>		

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2	16	9.0 (h)	<p>The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible.</p> <p>However, the participation is open to all i.e. Class-I, ClassII and to Non-local suppliers including foreign suppliers.</p>	<p>Latest guidelines of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI and latest DoT Notification (Ministry of Communications) dated 21st Oct-2024 should be applicable in this tender.</p> <p>We request you to confirm the followings :</p> <p>1) As State of Gujarat has already adopted Make in India Policy for its procurement,kindly confirm the 20% purchase preference as per the policy will be applicable on this procurement along with all the provisions of the policy.</p> <p>2)Please provide sufficient points/marks to bids qualifying under make in India policy as defined above.</p>	<p>Our earlier queries on this policy is not addressed in a clear and conclusive manner. We have received same response as given below for multiple queries, We request you to provide us clear confirmation on 100% implementation of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI</p> <p>Response Received :Make In India companies are also allowed along with proven technology products worldwide to meet business and functional requirement of the specilized Network. And that is the precise reason we have not sought any restrictive clauses / global certifications prohibiting participation of Make in India companies</p>	Pls refer Corrigendum-III

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3		Revised Technical Evaluation Criteria: Corrigendu m 3	Additional Offering without any additional cost to GFGNL (It will be part of the contract) a) More number of spares, - every 1% increase from RFP baseline = 2 marks b) Extension in the warranty of offered products, -every 1% increase from RFP baseline = 2 marks c) More number of 2CNO locations (Redundancy component), -every 1% increase from RFP baseline = 2 marks d) Repair & return commitment in Days from OEM or service center, Expected time for RS&RR (Repair, Service, Restore and Replace) is 15 Days, - every 10% reduction in 15 days = 2 marks	1)These additional offerings (Spares, Warranty extension) will cost to bidder, hence it should be part of financial parameters instead of being part of Technical evaluation . We request to remove this from Technical evaluation criteria 2)No. Of 2CNO Locations is completely dependent on Fibre Path availability, Fibre is not in this tender scope & also during know how session , this was not confirmed.		1) As per Corrigendum- III 2) As conveyed during Know-how session, Fiber readiness will be done by GFGNL.

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4	Revised Technical Evaluation Criteria	1	<p>OEM Experience Capability: Offered Product Portfolio of quoted technology solution in last 7 Years for (as part of contract) — Supplied quantity in numbers:            Greatest Size among Bid participants = 5 Marks            Greatest Size to 75% of Greatest Size = 3 marks            Less than 75% of Greatest Size = 2 marks</p> <p>— Unique clientele based to understand wider acceptability credentials in numbers,            Greatest Size among Bid participants = 5 Marks            Greatest Size to 75% of Greatest Size = 3 marks            Less than 75% of Greatest Size = 2 marks</p>	<p>Please Amend this clause with default 10 marks for Class-1 domestic manufacturer meeting value addition norms of preference to make in India Policy (Government Order no. :P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 by DPIT and DoT Government Order Notification (Ministry of Communications) dated 21st Oct-2024</p>	<p>IP/MPLS technology is relatively new for Indian OEMs, while foreign OEMs have extensive global deployments and established customer bases worldwide. As a result, foreign OEMs may have a more diverse and extensive clientele compared to Indian OEMs, who may have limited experience with this technology in the Indian market.</p> <p>Given this disparity, we believe that the current criteria may be unfairly advantageous to foreign OEMs and could place Indian OEMs at a disadvantage. In light of the Preference to make in India Policy (implemented in the Tender) and "Atmanirbhar Bharat" initiatives of Government of Gujarat and Government of India, we kindly request GFGNL to revise this clause to ensure a level playing field for all OEMs, regardless of their geographical origin.</p>	<p>The Transport network is very critical technically and any un-researched quoted technology may adversely impact all the underlined investment in the BharatNet. However, in the interest of Make in India Companies, we have not put this clause in the Pre-qualification round for allowing Make in India for equal chance. Some technical score is provisioned to discover market acceptability to avoid sub-optimal outcome. Substantial technical score is also provisioned for better design and local expertise to balance above.</p>



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5	Revised Technical Evaluation Criteria	4	<p>Solution Highlights:</p> <ul style="list-style-type: none"> <li>— Alignment of Solution with BharatNet Phase-III from Day-1</li> <li>— Alignment of Solution with GSWAN (Government Intranet traffic at TC/DC/GP) from Day-1</li> <li>— DR Link in between SDC to Vadodara in next intimation order (BharatNet Phase-III)</li> <li>— Higher uptime Preparedness in the design</li> </ul>	<p>1.We kindly request GFGNL to confirm how the alignment of the solution for Bharatnet Phase-III and GSWAN will be evaluated and marks will be given. Bidders may not have prior knowledge of the GSWAN network and may not be participating in the Bharatnet Phase-III tender.</p> <p>2.The scope of the current RFP is specifically focused on the backhaul network, and bidders may not be involved in the Bharatnet Phase-III tender or have detailed knowledge of it. Therefore, we request GFGNL to review the evaluation criteria and consider limiting the evaluation to the scope of the current tender only..</p>		<p>SWAN is component of Digital India and have been running at all District and Tehsil HQs. Pls refer Meity Website and DST Gujarat website.</p> <p>During the Know-how session, this has already been explained.</p>

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6	Revised Technical Evaluation Criteria	7	<p>Presentation: -</p> <p>a) Previous Project use cases– 6 marks</p> <p>b) Operational Plan, Training, Knowledge transfer &amp; Network Handover strategy to BharatNet Phase- III (ABP) PIA (Two Packages each) – 6 marks</p> <p>c) Value added services, EMS features, functionality, Dashboard report, NOC experience, Security solution – 6 marks</p> <p>d) Lucrative Buyback plan (based on suggestive depreciation formula or any other best practices) or Re-deployment plan of existing transport network along with service support for mitigate govt. losses – 6 marks (For Package A - 3 marks &amp; For Package B – 3 marks)</p> <p>e) Strategic inputs for widespread utilization of</p>	<p>b)The scope of the current RFP is specifically focused on the backhaul network, and bidders may not be involved in the Bharatnet Phase-III tender or have detailed knowledge of it. Therefore, we request GFGNL to review the evaluation criteria and consider limiting the evaluation to the scope of the current tender only.</p> <p>d) We have observed that the current RFP includes criteria for a buyback plan and re-deployment plan of existing transport. These requirements may provide an advantage to existing PIAs and OEMs who possess more familiarity with the network and geography.</p> <p>To ensure a level playing field for all participants, we respectfully request GFGNL to remove these two</p>		<p>We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.</p>

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			the backhaul transport network for income, increasing client interest and to attract potential customers – 6 marks	criteria from the evaluation process.		

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7	Modification in Clause	2	<p>Network Design: Backhaul transport network should be categorized mainly in two layers and equipment nodes may be considered accordingly.</p> <p>Proposed quoted technology solution equipment should have capability to handle surge protection of 2KVA.</p> <p>1. Core Layer: (Minimum 800 Gbps switching capacity)</p> <ul style="list-style-type: none"> <li>•Should be capable of supporting multiple 100G to 400G interfaces.</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> <li>•Solution equipment</li> </ul>	<p>Following our review of the clarification provided at S.No.2 of section -"Pre-Bid queries response and Post Know-how session queries response",of corrigendum-III dated 07 Feb. 2025,</p> <p>For the Core Layer routers, As per our understanding that the proposal allows for two fixed chassis, each with a single controller, operating in an active-active mode. We kindly request GFGNL to confirm if this configuration is acceptable.</p>		<p>This node is very critical. The effect of Node/Core equipment failure would have ripple effect of blackout at beneath 30 Gram Panchayats. Further, it will force traffic diversion of 250 GPs on adjacent nodes. Incidentally, in case this adjacent node may also encounter any failure, then complete district will go down.</p> <p>However, for wider participation and in the interest of technology limitation with Make in India as stated in the query, your requested configuration sufficing redundancy is allowed.</p>

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			<p>should have redundant power card and redundant 1+1 or N+1 fan modules,those OEMs who are having problem in meeting hot-swapable requirement may provide high availability assurance with standard equipment MTBF (Greater than 70,000 hours as specified in QM-115 of TEC/GR 48050:2024 or equivalent international standard)</p> <p>2. Aggregation Layer: (Minimum 300 Gbps switching capacity)</p> <ul style="list-style-type: none"> <li>•Should be capable of supporting multiple 10G to 100G interfaces.</li> <li>• 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-swapable requirement</li> </ul>			

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			<p>may provide high availability assurance with standard equipment MTBF (Greater than 70,000 hours as specified in QM-115 of TEC/GR 48050:2024 or equivalent international standard)</p>			

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8	Additional Clause	1	<p>Bidder has to supply quoted technology solution equipment with below mentioned minimum specification in alignment with BSNL Phase-III requirement. Bidder may refer further technical specification in the BSNL BID Ref "Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024".</p> <p>For Type-A: Core Layer Equipment: Minimum 800 Gbps capacity:</p> <p>a) 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),</p> <p>b) 18 ports of 10G/25G (12 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable)</p> <p>c) 6 ports of 1G/10G (Pluggable will be in</p>	<p>Based on the clarification provided at S.No.1 of section -"Additional Clause" in corrigendum-III dated 07 Feb. 2025,</p> <p>Core Routers:</p> <p>1. Port Requirements: As per the RFP and topology, it is indicated that a maximum of 1 or 2 aggregate rings will terminate on the core router. However, the additional clause stipulates the need for 18 ports of 10G/25G, which appears to be an excessive and redundant request. This could unnecessarily inflate the Bill of Quantities (BOQs) for all bidders. We kindly request that the decision regarding the number of 10G/25G ports be left to the discretion of the bidder based on their design and network requirements, as this is also an EPC (Engineering,</p>		<p>Though the design is solution-based pertaining to traffic provision per sub-block cultivating finally at State-NOC traversing through intermediate routes.</p> <p>The business and functional requirements of the network is explicit and therefore the box configuration including number of ports and ports capacity is non-negotiable and is strictly to be abided while bidding. Any deviation or downsizing to save the cost shall result into disqualification.</p> <p>For further clarity, the business and functional requirement is explained in visual manner in the Corrigendum-IV including number of ports, purpose of ports and capacity.</p>

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			<p>Variable supply)</p> <p>For Type-B: Aggregation Layer Equipment: Minimum 300 Gbps capacity: a) 3 ports of 100G (Pluggable will be in scope of bidder as per solution design), b) 16 ports of 10G (10 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable) c) 6 ports of 1G/10G (Pluggable will be in Variable supply)</p>	<p>Procurement, and Construction) RFP.</p> <p>2. 1G Interface Requirement: Core routers will primarily aggregate or drop traffic at rates greater than 10G, as outlined in the RFP. We request that GFGNL reconsider the inclusion of 1G interfaces and remove this requirement from the specification.</p> <p>Aggregate Routers: 3. 25G Interface Availability: With recent technological advancements, 25G ports are now widely available in the market. In accordance with the RFP requirements, the aggregate ring will support a minimum of 15G (5OLTx3Gbps per OLT). This capacity can be effectively achieved using 25G interfaces, which offer greater flexibility and scalability. We request that</p>		



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				GFGNL approve the use of 25G interfaces for aggregate rings to align with the current market trends and to optimize network performance.		

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9	Pre-Bid queries response and Post Know-how session queries response	7	Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.	<p>Based on the clarification provided at S.No.7 of section -"Pre-Bid queries response and Post Know-how session queries response" in corrigendum-III dated 07 Feb. 2025,</p> <p>As per our understanding, one pair of routers (two cores) will be allocated for the Core Layer, and one additional fiber (two cores) pair will be designated for the Aggregate Layer rollouts. We kindly request GFGNL to confirm if this understanding is correct.</p>		<p>The RFP provisions (Clause - 13.A.6.C) are reproduced herewith;</p> <p>Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.</p> <p>Fiber Usage for OLT ring: GFGNL will provide additional two fiber cores (01 pair) for OLT-OLT ring, maximum 5 OLTs to be planned in any 50 Gig capacity dual homed ring. In exceptional cases 6 OLTs are allowed subject to GFGNL approval. Note: OLT can be read as Sub-block location in the entire RFP in the definition of ensuing BharatNet Expansion.</p>

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10	Pre-Bid queries response and Post Know-how session queries response	11	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time. GFGNL will share the name of the sites once bidder selected for the contract.	We kindly request GFGNL to confirm whether the network design should follow the existing directions or if it should also incorporate the new directions outlined in the topology details shared by GFGNL following the know-how session.		No. of Fiber direction (Total including existing network & future plan) to be considered.

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11	Pre-Bid queries response and Post Know-how session queries response	14	The service originating from end devices like routers at government offices or ONT at residence, the performance and quality measurement in terms of peak speed, total data consumption, server reachability should be monitored continuously in real-time and a dashboard for the same has to be created.	<p>The EMS will monitor the services delivered to end customers. However, it is important to note that the EMS under the scope of this RPF, will not be able to distinguish the originating points of end customer traffic, such as the ONT or router.</p> <p>In light of this, we kindly request that GFGNL limit the scope of the EMS proposed in this RFP to the monitoring of services configured within the backhaul network only. The bidder's EMS will be responsible for monitoring throughput, speed, capability, and real-time performance metrics.</p>		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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12	Pre-Bid queries response and Post Know-how session queries response	15	Latency measurement of each service from end device at customer premise should be done in real time and actions should be taken to rectify is issues seen.	<p>Based on the current scope of the tender, we understand that the bidder will be responsible for latency measurement up to its own devices, and not from the end customer points, such as ONTs.</p> <p>We kindly request GFGNL to confirm if our understanding is correct.</p>		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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13	Pre-Bid queries response and Post Know-how session queries response	18	Security - Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6, Layer 2 ingress ACLs, MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x	As MACSec is required for L2 networks and not for routing L3 requirements, and given that the scope of the current RFP pertains to L3 networks, we kindly request GFGNL to remove MACSec this clause from the RFP.		MACsec or equivalent allowed



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14	Pre-Bid queries response and Post Know-how session queries response	24	Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.	<p>Based on the clarification provided at S.No. 24 of section -"Pre-Bid queries response and Post Know-how session queries response"provided in corrigendum-III dated 07 Feb. 2025,</p> <p>As per our understanding that one pair of routers (two cores) will be allocated for the Core Layer, and one additional fiber (two cores) pair will be designated for the Aggregate Layer rollouts. We kindly request GFGNL to confirm if this understanding is correct.</p>		<p>Repeated query, already clarified.</p> <p>Again explaining, Bidder requires to provide solution as per objectivity of the RFP and may decide core layer and aggregation layer equipment places.</p>

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15	Pre-Bid queries response and Post Know-how session queries response	34	The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure.	<p>From the clarification provided at S.No.34 of section -"Pre-Bid queries response and Post Know-how session queries response" in corrigendum-III dated 07 Feb. 2025,</p> <p>As per our understanding that, interoperability with other OEMs will be done based on standard interfaces only. Request GFGNL to confirm</p>		Yes as per clarification sought

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16	Pre-Bid queries response and Post Know-how session queries response	51	Industry deployment use cases by OEM (For Global -4, For Global & India - 4) – 8	We kindly request that GFGNL define the number of use cases for scoring purposes. Without a clear definition, the evaluation may become subjective, leading to potential inconsistencies in the assessment process.		Already responded in previous corrigendum.

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17	Pre-Bid queries response and Post Know-how session queries response	52	Operational Plan, Training, Knowledge transfer & Network Handover strategy to existing O&M partner – 5 marks	<p>This RFP pertains specifically to the backhaul network of the GFGNL network. Therefore, we believe that training, knowledge transfer, and handover should be limited to the scope of this tender and should not be contingent upon the Bharatnet Phase-3 tender.</p> <p>We kindly request GFGNL to amend the relevant clause to reflect this clarification.</p>		Already responded in previous corrigendum.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
18	Pre-Bid queries response and Post Know-how session queries response	56	Buyback offer for existing transport equipment	As the scope of this tender is limited to the deployment of backhaul devices, the bidder may not have a comprehensive understanding of GFGNL's broader network. As such, it may be challenging to anticipate potential re-deployment scenarios. Incumbent PIAs, on the other hand, are likely to have a better understanding of GFGNL's network, potentially providing them with an advantage over new bidders.		The buy back or re-deployment option is to mitigate govt. losses. The ask of integration of old with the new devices is avoided for wider competition and allowing new Bidder / OEMs equal chance to deploy.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				Please confirm that successful PIA will have full rights to use/redeploy the buybacked equipments at any customer on their discretion. GFGNL will also transfer all the rights of equipments to successful PIA without any cost.		Post successful buyback, the buyback assets will be in your custody including ownership.
19	Pre-Bid queries response and Post Know-how session queries response	69	For buyback option, bidder will be allowed to collect existing/old equipment only after complete Go- Live and successful running of new solution as per RFP criteria including colling period & ensuring HoTo completion.	We kindly request GFGNL to confirm the earlier clarification regarding the legal implications of the buyback offer.		Both options have been given i.e. Buyback or Re-deployment

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
20	Pre-Bid queries response and Post Know-how session queries response	71	<p>The buyback option for other OEM equipment may result in legal implications, as these devices cannot be further deployed due to both technical and legal challenges. Additionally, any legal disputes raised by other OEMs should be handle by GFGNL. To avoid such challenges and considering that the equipment will hold no utility for other OEMs. Hence,we request GFGNL to remove the buyback clause from the RFP and also remove the S.No.5 of Buyback option from Financial Bid format at Page-66 of RFP</p>	<p>Based on the clarification provided at S.No.71 of section -"Pre-Bid queries response and Post Know-how session queries response",</p> <p>As per our understanding that 5% spares are to be proposed for the entire solution, and this 5% will be distributed across 6 zones.</p> <p>We kindly request GFGNL to confirm if our understanding is correct.</p>		Yes as per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
21	Pre-Bid queries response and Post Know-how session queries response	74	The proposed solution should be scalable to 10Gbps bandwidth in ring architecture with protection at each sub-block locations (Called as OLT location now), TC and DC locations from SDC from with minimum additional hardware/software requirement i.e by inserting only additional Card, SFP and related licenses,patch-cords, other consumable active and passive item if required in future on discovered rates based on BOQ in this RFP	<p>Following the clarification provided at S.No.74 of section -"Pre-Bid queries response and Post Know-how session queries response", in corrigendum-III dated 07 Feb. 2025,</p> <p>It is still unclear whether all the chassis for the 3Gbps and 10Gbps solutions need to be proposed on Day 1.</p> <p>We kindly request GFGNL to confirm if our understanding is correct.</p>		<p>Scalability is the core essence of this RFP and it is to be met without changing the technology and underline equipment to avoid down time while upgradation.</p> <p>Therefore, Same chassis must be capable to provide scalability as asked in the RFP by inserting only additional Card, SFP and related licenses, patch-cords, other consumable active and passive item if required in future on discovered rates based on BOQ in this RFP.</p>



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
22	Pre-Bid queries response and Post Know-how session queries response	76	Avoid single-location or single equipment dependencies	<p>We kindly request GFGNL to confirm whether, if a bidder proposes two chassis in active-active mode at the same location, it will be considered as a single piece of equipment or as separate equipment.</p> <p>Your clarification on this matter will be greatly appreciated.</p>		The purpose is for redundancy. The relaxation is for wider competition.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
23	Pre-Bid queries response and Post Know-how session queries response	77	Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.	<p>Based on the clarification provided at S.No.77 of section -"Pre-Bid queries response and Post Know-how session queries response", in corrigendum-III dated 07 Feb. 2025,</p> <p>As per our understanding that one pair of routers (two cores) will be allocated for the Core Layer, and one additional fiber (two cores) pair will be designated for the Aggregate Layer rollouts. We kindly request GFGNL to confirm if this understanding is correct.</p>		Repeated query, already clarified.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
24	Pre-Bid queries response and Post Know-how session queries response	78	Fiber Usage for OLT ring: GFGNL will provide additional two fiber cores (01 pair) for OLT-OLT ring, maximum 5 OLTs to be planned in any 50 Gig capacity dual homed ring. In exceptional cases 6 OLTs are allowed subject to GFGNL approval.	<p>During the previous post-tender discussions, GFGNL emphasized the requirement for sequential ring splitting. We had sought clarification on sequential and non-sequential ring splitting.</p> <p>We kindly request GFGNL to confirm whether non-sequential ring splitting is permitted.</p>		Fiber usage is clearly mentioned along with OLT-OLT (sub-block to sub-block) planning in this bid with no more ambiguity. With this, OLT ring splitting only in sequential way is permitted to avoid fiber core losses to Govt. In case of more fiber core usage than permitted is found at later stage than the bidder shall compensate the Govt. by paying Rs. 6000 per core per km every year for excess fiber consumption as rental, based on his design till the use of fiber for entire 10 years of duration post go-live apart from consequences as per the RFP.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
25	Pre-Bid queries response and Post Know-how session queries response	85	At SDC location, all proposed network equipment must have 1:1 active - active redundancy at hardware level for 100% uptime of all the services	<p>During the previous post-tender discussions, there was some ambiguity regarding the active-active design at the SDC. To eliminate any confusion and ensure uniformity, we kindly request GFGNL to clarify the following:</p> <p>Regarding active-active 1:1 redundancy, we understand that two separate chassis will be used, with the aggregation ring terminating on both chassis and interconnectivity established between them. The tributary cards terminating the aggregate rings at the core equipment will be non-redundant on each chassis but will be protected through the use of the two chassis.</p> <p>We would appreciate GFGNL's confirmation or</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				further clarification on this design approach.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
26	Pre-Bid queries response and Post Know-how session queries response	95	Electrical, Colored C/DWDM, Tunable, Coherent, non-colored, Compact SFP (CSFP), SFP+, QSFP28, CFP2, CFP, and bidirectional CSFP/SFPs/ SFP+s	<p>In the previous tender (GFGNL/GFG/e-file/263/2023/0122), CWDM and electrical interfaces were not specified as requirements. Additionally, the latest IP-MPLS TEC GR - 48050:2024 does not mention these interfaces.</p> <p>Furthermore, CWDM is now considered obsolete, with DWDM replacing it as the preferred technology. DWDM is widely deployed globally, and there are no new deployments of CWDM, nor is there any ongoing research and development in this area.</p> <p>In light of these factors, we kindly request that GFGNL remove the CWDM and electrical interfaces from the current tender specifications.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
27	Pre-Bid queries response and Post Know-how session queries response	96	Support NTP, SyncE with ESMC, Integrated GNSS receiver, IEEE 1588v2 PTP (including G8265, G8273, G8275 profiles as applicable), External timing 1PPS and TOD. It should have internal Stratum 3E clock with holdover time of at least 4 hours.	<p>We have noted that other alternative synchronization protocols are specified in the mentioned RFP. Given this, we kindly request GFGNL to consider making the GNSS synchronization requirement optional, as the synchronization needs of the network can be effectively addressed using the other synchronization protocols outlined in the tender.</p> <p>Additionally, we would like to reiterate that GNSS synchronization was not included in the scope of the previous tender, which further supports the request to make this requirement non-mandatory.</p>		GNSS or equivalent is allowed

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
28	Pre-Bid queries response and Post Know-how session queries response	102	The solution should be built to provide the maximum protection for the services by using of any of the available fiber paths to protect the traffic. Selected bidder may advice for Ring shortening/Re-engineering for designing robust solution. All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time.	<p>Following the clarification provided at S.No. 102 of corrigendum-III dated 07 Feb. 2025,</p> <p>It remains unclear whether the 50ms switching time restriction applies only to the first cut. Also, as per TEC 48050:2024 for IP-MPLS, 1:1 switching should occur in less than 50ms, but there is no mention of switching time for 2CNO, 3CNO, 4CNO, or 1:N protection.</p> <p>In light of this, we kindly request GFGNL to confirm that the 50ms switching time requirement applies solely to the first cut.</p>		Pls refer Corrigendum-III, Sr. No 102



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>GFGNL will share the name of the sites once bidder selected for the contract. In future, Additional sites where 2CNO required more than 50% will be purchased on BOQ discovered prices</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
29	Pre-Bid queries response and Post Know-how session queries response	315	New Clause	<p>As the current RFP is an EPC RFP, we believe the network design should be left to the discretion of the bidder, provided the RFP requirements are not compromised. The design should not be unnecessarily restricted by the specified B2B OSNR values.</p> <p>It is important to note that different OEMs have different B2B OSNRs, and therefore, the B2B OSNR should not be limited as per the clarification provided. Furthermore, the B2B OSNR values are not aligned with the DWDM TEC GR : 86070:2021 . B2B OSNR for 100G/200G are given on Page-119 &amp; 120 of DWDM TEC GR-86070:2021</p>		Allowed as per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
30	Pre-Bid queries response and Post Know-how session queries response	322	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swapable requirement	<p>Following the clarification provided at S.No.322 of section -"Pre-Bid queries response and Post Know-how session queries response", in corrigendum-III dated 07 Feb. 2025,</p> <p>It is still unclear whether the bidder can propose DWDM equipment with a single controller.</p> <p>We kindly request GFGNL to allow the proposal of DWDM equipment with a single controller, provided that the failure of the single controller does not result in any traffic outage.</p>		Pls refer Corrigendum-III, Modified clause - 13.A.6.C

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
31	Pre-Bid queries response and Post Know-how session queries response	333	Claficiation Required	From the clarification provided at S.No. 333 of section -"Pre-Bid queries response and Post Know-how session queries response", in corrigendum-III dated 07 Feb. 2025, it is still not clear wheather bidder need to maintain Island wise design or not. Request GFGNL to please confirm.		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
32	Pre-Bid queries response and Post Know-how session queries response	335	MTCTE, NCCS	<p>As per the latest DOT guidelines, MTCTE certificates will no longer be valid for shipments from 01-04-2025. The MTCTE certification will remain valid only until 31-03-2025, after which ITSAR certification will be mandatory for IP/MPLS equipment.</p> <p>Given that obtaining ITSAR certification may take between 6 months to 1 year, we kindly request that GFGNL include an OEM undertaking/declaration for ITSAR, NCCS to be submitted along with the bid. Furthermore, we request that the application and certification be in place before shipment.</p>		<p>The mandatory certificates as per the telecom regulations within India are to be provided whichever are applicable on the date of issue of RFP. However, if any OEM has problem in providing the reference certificates as per ask of the RFP, then the OEM may provide letter of undertaking along with evidence of application to designated institution for wider participation. However, applicable certificates, any amendments or issuance of compliance / guidelines are to be met before installation in our network. The above is non-negotiable condition for claiming any payments.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
33	Pre-Bid queries response and Post Know-how session queries response	336	For buyback option, bidder will be allowed to collect existing/old equipment only after complete Go-Live and successful running of new solution as per RFP criteria including colling period & ensuring HoTo completion	<p>Based on the clarification provided at S.No.336 of section -"Pre-Bid queries response and Post Know-how session queries response", in corrigendum-III dated 07 Feb. 2025,</p> <p>We believe that leaving certain decisions to the discretion of GFGNL may not ensure a level playing field for all bidders under specific circumstances, rather than clearly defining these as part of the RFP requirements.</p> <p>For example, as discussed during the 'Know-How' session, bidders are required to propose both buyback and re-deployment options for old equipment, with GFGNL deciding which option to select for each bidder. In this scenario, it is possible that one bidder may emerge as H1 based on the buyback option, while</p>		Pls refer Corrigendum-III

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>another bidder may be selected as H1 based on the re-deployment option.</p> <p>To ensure transparency and fairness, we kindly request GFGNL to address this ambiguity in the clause and clarify that the selection of the H1 bidder will be based on the terms and conditions explicitly defined in the RFP.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
34	Pre-Bid queries response and Post Know-how session queries response	45, 16	Consortium is not allowed	We request you to reconsider allowing consortium due to vast scope of work and project timelines. on one hand, The RFP already allowed subsidiary companies turnover and experience, which may support a specific bidder and OEM, which is indirectly allowed JV/Consortium as both companies are separate legal entity. If this project is too specialised, kindly remove subsidiary turnover and experience by bidder OR please allow consortium for level playing field and equal opportunity to all prospective bidders.		This is Specialized ask of building the transport network and has single purpose and thereby consortium is not required.



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
35	Corrigendum - III: Page no. 3	Revised Eligibility Criteria: Clause: 4	<p>Bidder/National TSP Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. <del>16</del> <del>€</del> 50 Cr/ Two Project having minimum <del>Rs. 12</del> <del>€</del> 20 Cr/ Three Project having minimum <del>Rs. 8</del> <del>€</del> 15 Cr having components like Backhaul transport network includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN (with minimum <del>40</del> 30% of these active components i.e. One project having minimum Rs. 15 Cr and so on) in last five Seven years as on <del>date of bid submission</del> bid published date.</p> <p>Work Order/Captive network consumption should have been issued</p>	<p>We understand that the bidder is expected to showcase the following:</p> <p>In case of one project of minimum value of Rs 50 Crore, The bidder should have experience of execution of Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of minimum Rs. 50 Cr having components like Backhaul transport network includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN worth Rs. 15 Cr. However, if case if bidder submit documents in evidence of having executed such networking project of value above Rs 100 Crore, in that case also the value of backhaul transport network/active components should be minimum Rs. 15 Cr.</p> <p>For e.g., the bidder is</p>	For better clarity on eligibility criteria	Yes as per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>in last five seven years as on <del>date of bid submission</del> bid published date.</p> <p>For completed projects: Go-live certificate should be provided. For ongoing projects: Client certificate should be provided clearly mentioning worth of completed work for asked active components. "</p>	<p>allowed to showcases the project having value of Rs. 100 Cr., it should have the components like Backhaul transport network which includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN worth Rs. 15 Crores.</p> <p>Please confirm if our understanding is correct.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
36	Corrigendum - III: Page no. 6 to 8	Corrigendum - III: Revised Technical Evaluation Criteria:	Revised Technical Evaluation Criteria:	<p>The Technical Evaluation criteria as has been revised completely through the recent corrigendum. Bidder's technical and financial experience has not been taken under consideration for technical evaluation/scoring of marks. This is quite strange.</p> <p>It has no scoring criteria to evaluate the bidder. Moreover, we feel that it is majorly a subjective evaluation for 80 marks which are mentioned below:</p> <p>2. Rollout commitment - 10 marks  3. Network design (HLD) baseline, bestline and unique features: - 15 marks  4. Solution Highlights: - 10  6. Additional Offering without any additional cost to GFGNL (It will be part of the contract) - 15 marks  7. Presentation: - 30 marks</p>	For better understanding of the bid management	We have sufficiently cover bidder capability, commitment to deliver project better, design proposal as well as OEM related experience/commitment to evaluate Bidder capability in this technology centric BID requirements.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>We request GFGNL to provide objective scoring parameters which helps the capable and experienced bidder / OEM to win and for smooth execution of the project.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
37	6 to 8	Corrigendum - III: Revised Eligibility Criteria:	2. The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom or Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	<p>We understand that the requirement is very niche focusing more on the technical aspects of the project delivery. In such scenario, it is extremely important that the successful bidder is financially capable manage the project economics. If the tenderer allows bidder to support their turnover with the subsidiary turnover, it would not be the right parameter for evaluation.</p> <p>Hence, we request GFGNL to revise the clause as following:</p> <p>2. The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 &amp; 2023-24) solely generated from the business of Telecom or Networking only. Subsidiary company</p>	To ensure fair competition	As per Corrigendum-III

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
38	Page no. 14 & 6 of 313 _Corrigendum-III	Implementation Timeline & Penalties	In Implementation Timeline & Penalties: Total time mentioned as T + 150 Days. Whereas In the Revised Technical Evaluation Criteria: 2) Rollout Commitment (It will be part of the contract): In this clause it is mentioned that RFP Baseline is T+180 Days.	Request you to please provide the clarity about total implementation timeline allowed. It is also submitted that in main RFP also implementation timeline was given as T + 180 days. Hence request you to please keep the same.	Clarifications required	Revised implementation timeline is T+150 Days as per Corrigendum-III

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
39	Page no. 3 of 313 _Corrigendum-III	Revised Eligibility Criteria: 5) OEM Eligibility	<p>OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 500 numbers of Quoted technology solution equipment for atleast one customer in last 3 years as on date of bid submission.</p> <p>Whereas in response to query no. 47 @ page 50 it was mentioned as below:- b) OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 800 numbers of Quoted technology solution equipment for atleast one customers in last 3 years as on date of bid submission .</p>	<p>We understand that the number given under eligibility criteria will be final i.e. OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 500 numbers of Quoted technology solution equipment for atleast one customer in last 3 years as on date of bid submission.</p> <p>Please confirm.</p>	Contradiction in experience asked from proposed OEMs.	Yes as per clarification sought



Sr N o	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
40	Page no.1 28 of 313_ Corri gend um- III	Query no. 129_Corri endum-III	GFGNL Remarks/Response: Expectation is that bidder needs to submit detail bill of material with price in price bid and without price in technical bid. 3 Gbps to 10 Gbps with detailed Bill of Material mentioning all sub, Main Component including accessories with part code and description in financial bid(Physically sealed envelope) with price. Most upgradation component part code should be from 3 Gbps Bill of material. If Bidder's proposed price for upgradation is not justified, then tenderer may barred the selected bidder and cancel the bid.	For better clarity and understanding, request you to provide few parameters basis on which upgradation price not would be declared Justified or unjustified.	Clause is quite ambiguous and needs clarity.	As per Corrigendum-III

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
41	10 of RFP	4	EMD (bid Security / Security deposit) Rs. 2,50,00,000 /- (Rs. Two Crore Fifty Lakh Only)	To allow more bidders to participate amount of requisite EMD should be reduced. In previous tender of Backhaul network upgradation issued by GFGNL, the EMD amount was Rs 80 Lakh only.	To allow more competition	As per RFP
42	Page no.2 of 313_Corrigendum-III	Revised Eligibility Criteria: Clause: 2	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021- 22, 2022-23 & 2023-24) solely generated from the business of Telecom or Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	Against eligibility criteria - average annual turnover asked from the Bidder is Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only whereas there are few more clause (Cl 6 at page 58 and Cl at page 60 in the RFP) where Turnover is asked from last 5 years.  We understand that as per eligibility criteria, bidder	as per RFP and corrigendum similar requirement is mentioned in multiple sections and All these clauses have different time lines.	Pls consider as per Corrigendum-III

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
43	58 of RFP	6	Copy of Certificate from the Statutory auditor/CA clearly specifying the annual turnover for the specified years. (2019-2020, 2020-21, 2021-22, 2022-23 & 2023-24).	only need to submit certificate from the Statutory auditor/CA clearly specifying the annual turnover solely generated from the business of Telecom or Networking in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24). There is no need to submit Turnover for last 5 Financial years.  Please confirm.		
44	60 of RFP	Checklist	Annual Turnover for last three years (INR Lakhs) 2019-20 2020-21 2021-22 2022-23 2023-24			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
45	Page 3 of Corr III	5	<p>Eligibility Criteria Order may be considered in phase manner in asked time period.</p> <p>OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 500 numbers of Quoted technology solution equipment for atleast one customer in last 3 years as on date of bid submission.</p> <p>Supporting Documents to be furnished: OEM Declaration on their letterhead along with work order and proof of successful installation (i.e., Delivery challan or Client certificate on successful installation or OEM certificate from Company</p>	<p>As per requirement under eligibility criteria only supply experience is asked from proposed OEMs of quoted technology solution equipments whereas as per requirement under supporting documents, evidence of successful installation of the quoted technology is also asked.</p> <p>Please confirm the following - 1) OEM need to meet only the supply experience asked in the Bid and need not to submit document in evidence of successful installation of quoted technology equipment. 2) OEM need to submit either- - customer certificate or - Self undertaking duly signed by CS/Legal along with Delivery Challan or any other document in evidence of proof of supply</p>	For better clarity on eligibility criteria required for proposed OEM	Pls consider as per Corrigendum-III as requirement is clearly mentioned to avoid any misrepresentation and its consequences later on.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>Secretary/Legal). OEM can mask sensitive information.</p> <p>Customer certificate for supply of quoted technology (product code) along with quantity &amp; time duration has to be submitted.</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
46	Page 2 of Corr III	4	Proposal due date (last of date of Tender submission) Tender should be submitted before 24/02/2025, 6:10 PM Bidder shall upload their bids on nprocure.	As one more Know-how session was organized recently and there are various clauses which need more clarity /clarifications, we request you to please extend the due date for submission of Bid for another 2 weeks from current due date.	Know-how session was organized recently for few new participants and there are various clauses which need more clarity /clarifications	Pls consider as per Corrigendum-IV

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
47	25	PQ-4	<p>Bidder/National TSP Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 50 Cr/ Two Project having minimum Rs. 20 Cr/ Three Project having minimum Rs. 15 Cr having components like Backhaul transport network includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN (with minimum 30% of these active components i.e. One project having minimum Rs. 15 Cr and so on) in last Seven years as on date of bid submission bid published date.</p> <p>Work Order/Captive network consumption should have been issued in last five seven years as on date of bid</p>	<p>We request you to kindly align the project experience criteria with the provisions of the General Financial Rules (GFR).</p> <p>Removal of Captive Network Consumption Criteria: We request the removal of the captive network consumption requirement from the eligibility criteria. This condition is not aligned with the core objectives of the project.</p>	<p>Experience should be evaluated based on industry-standard project execution, irrespective of whether the network was for captive use or external deployment.</p>	<p>As per Corrigendum-III</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>submission bid published date. For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of completed work for asked active components.</p>			



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
48	28	TQ 1,2, 3 and 4	<p>Revised Technical Evaluation Parameters:</p> <p>OEM Experience Capability, Rollout Commitment, NLD / HLD baseline and unique features and Solution highlights</p>	<p>Recommendation to Incorporate Weightage for Bidder's Past Experience: We have observed that the revised technical evaluation parameters differ significantly from the previous TQ criteria. Notably, the revised criteria do not allocate any weightage to the bidder's past experience.</p>	<p>We strongly believe that past experience is a crucial factor in ensuring the selection of competent and reliable bidders. To enhance the evaluation process, we kindly request your review of this criterion and recommend incorporating an appropriate weightage for the bidder's past experience.</p> <p>A proposed adjustment could be allocating 10 marks to past experience within the technical evaluation parameters. This would help ensure that bidders with a proven track record are given due consideration, ultimately contributing to the successful execution of the project.</p>	<p>We have sufficiently cover bidder as well as OEM related experience/commitment.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
49	53	Supply timelines	T+90 Days	T+120 Working Days	To ensure the successful and timely completion of the project without compromising quality, we kindly request a revision of the timelines to T + 120 days for supply and T + 240 days for installation and commissioning.	As per Corrigendum-III
50	52	I&C timelines	T+150 Days	T+ 240 Working Days		As per Corrigendum-III
51	28	TQ	f) Re-deployment plan of existing transport network along with service support – 6 marks (For Package A - 3 marks & For Package B – 3 marks)	As there is already a provision for buyback in the price bid, we kindly request the removal of this point.	The current TQ point provides an advantage to incumbent OEMs of the existing network. However, with the buyback provision included in the price bid, all bidders/OEMs are placed on an equal footing, ensuring transparency and fairness in the RFP process.	Pls refer Corrigendum-III TQ-7d; "Lucrative Buyback plan (based on suggestive depreciation formula or any other best practices) or Re-deployment plan of existing transport network along with service support for mitigate govt. losses – 6 marks (For Package A - 3 marks & For Package B – 3 marks)"

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
52	3	Revised Eligibility Criteria:/4	<p>Bidder/National TSP Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 50 Cr/ Two Project having minimum Rs. 20 Cr/ Three Project having minimum Rs. 15 Cr having components like Backhaul transport network includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN (with minimum 30% of these active components i.e. One project having minimum Rs. 15 Cr and so on) in last five Seven years as on date of bid published date.</p> <p>Work Order/Captive network consumption should have been issued in last five seven years as on date of bid published date. For</p>	<p>We assume that the captive network of any national TSP/ISP, executed through an internal work order for the specified experience, is allowed for claiming this eligibility. Please confirm</p> <p>For ongoing projects, we request you to kindly consider and allow the Customer Work Order, Delivery Challan, TPA FAT Report, and Installation Report any 3 Documents.</p>	For wider participation	As per clarification sought. For delivery, digital system reports to be accorded (Like NMS,EMS status) along with timestamp and undersigned.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>completed projects: Go-live certificate should be provided. For ongoing projects: Client certificate should be provided clearly mentioning worth of completed work for asked active components. "</p>			

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53	6	Revised Technical Evaluation Criteria:/1	<p>OEM Experience Capability: Offered Product Portfolio of quoted technology solution in last 7 Years for (as part of contract) — Supplied quantity in numbers: Greatest Size among Bid participants = 5 Marks Greatest Size to 75% of Greatest Size = 3 marks Less than 75% of Greatest Size = 2 marks</p> <p>— Unique clientele based to understand wider acceptability credentials in numbers, Greatest Size among Bid participants = 5 Marks Greatest Size to 75% of Greatest Size = 3 marks Less than 75% of Greatest Size = 2 marks</p>	<p>We assume that only the quoted technology considered here is MPLS with Integrated Coherent Optical features (MPLS over DWDM) or Routed Optical Network (RON). Pls confirm</p>		<p>Pls refer RFP Section 13.B.3 - Technology parameters</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
54	7	Revised Technical Evaluation Criteria:/6	<p>Additional Offering without any additional cost to GFGNL (It will be part of the contract)</p> <p>a) More number of spares, - every 1% increase from RFP baseline = 2 marks</p> <p>b) Extension in the warranty of offered products, -every 1% increase from RFP baseline = 2 marks</p>	<p>As per the RFP, a 10-year comprehensive onsite warranty has already been requested, along with a 5% spare under GFGNL ownership. Hence, we request the removal/not required of any additional spare percentage commitment, as it would impose an extra burden on the project cost.</p> <p>Additionally, please clarify whether the warranty extension requirement is 1% or 10% for claiming 2 marks</p>		<p>This is an option for the additional commitment over and above the ask of RFP without additional financial cost to GFGNL for additional score.</p> <p>Pls consider the warranty extension requirement is revised to 5% for claiming 2 marks.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
55	7	Revised Technical Evaluation Criteria:/7	<p>Lucrative Buyback plan (based on suggestive depreciation formula or any other best practices) or Re-deployment plan of existing transport network along with service support for mitigate govt. losses – 6 marks (For Package A - 3 marks &amp; For Package B – 3 marks)</p>	<p>As this RFP includes a complete solution for the backhaul network upgrade of the entire GFGNL network Phase 2, and since the solution is required for the entire network, we request you to consider lucrative buyback plan options for the existing DWDM/transport solution. We propose allocating a total of 6 marks as a single line item, covering both Package A and Package B</p>		As per Corrigendum-III

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56	11	Additional Clause:/13 A/b	For Type-A: Core Layer Equipment: Minimum 800 Gbps capacity:2 numbers with 10km electrical pluggable) For Type-B: Aggregation Layer Equipment: Minimum 300 Gbps capacity:2 numbers with 10km electrical pluggable)	Please clarify. We assume that the mention of '10km Electrical SFP' is a typographical error and that the actual requirement is a 100m 10G SFP		Pls consider 10km Optical pluggable
57	11	Additional Clause:/13 A	Notes:3) The router should support all 400G,100G ports for 100m, 10km, 40km & 80KM pluggable, and 10G ports for 100m, 10km, 40km & 80KM pluggable	We assume that the bidder can choose and use 400G/100G SFPs as per their proposed solution, either with a colored SFP or a grey interface. Please confirm.		Yes as per clarification sought



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
58	12	Additional Clause:/13 A	New	<p>We assume that the given 800G and 300G are the minimum baselines, and the bidder must deploy the respective switch fabric &amp; Box capacity wherever the capacity exceeds 800Gbps/300Gbps at all relevant locations.(as per their solution and traffic aggregation).</p> <p>Additionally, all required dropping to be provision at respective node/Location (Ports-100G/400G/10G/1G )</p>		Yes as per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
59	15	Annexure VII: Financial Bid Format/9	Total Notional Space Consumptions (Notional Value) at Site for 10 Years considering proposed network solution. Overall Space consumption at Site = U Size *(Multiply) Rs 143/- *(Multiply) *365 days * 10 Years	We assume that the bidder must consider power consumption for all sites, excluding the SDC, including annexure routes and TC/DC locations, along with AC to DC power conversion systems. Please clarify.		Yes , applicable as per clarification sought for both power and space criteria

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
60	16	Annexure VII: Financial Bid Format/11 to 16	<p>Optical Pluggable for 80km of 10G port including License (Notional Qty)</p> <p>Optical Pluggable for 40km of 10G port including License (Notional Qty)</p> <p>Optical Pluggable for 10km of 10G port including License (Notional Qty)</p> <p>Optical Pluggable for 100m of 10G port including License (Notional Qty)</p> <p>Optical Pluggable for 100m of 1G port including License (Notional Qty)</p> <p>Electrical Pluggable for 100m of 1G port including License (Notional Qty)</p>	We assume that the SFP line items (Sno. 11-16) are not part of the EPC solution, and the bidder cannot use these SFPs in the proposed solution. This is a separate requirement of GFGNL, and the commercial aspect of SFPs is included in the financial bid. Please confirm		Yes as per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
61	301	13-B2	MTCTE, NCCS	We understand that an OEM undertaking is required for the proposed equipment for MTCTE and NCCS certifications. Additionally, before product supply, the respective registration and certification must be obtained from the OEM. Kindly confirm		These are mandatory certificates before deploying any network equipment in the network. Any delay in obtaining certification will not be consider for exclusion and will be solely considered on part of the bidder.
62	37	Training	Bidder should give minimum 3 training session covering complete knowledge transfer.	Please mention number of pax per session		Approx. 25-30 persons, purpose is to cover training for proper knowledge transfer.
63	30	Scope of Work	Seamless integration with any 3rd Party Optical Line System	Details of 3rd party OLS		For example: Equipment under BharatNet Phase-3 , connectivity for Urban and Rural Government offices/Institutions, etc.

Sr N o	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
64	30	Scope of Work	The Bidder must provide a detailed rollout plan to ensure minimal disruption to live services, including a comprehensive migration strategy for seamless integration.	Details of Traffic to be migrated		Existing services/traffic of GFGNL

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
65	30	Scope of Work	It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure	Please mention the usecases and location of POC (customer's lab or Ciena's lab?)		POC (Proof of Concepts) of proposed solution as per 4S -Services. POC Location as per convenience of both SI/OEM and Bidder considering transparent measures.

Sr N o	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
66	53	Warranty and Services:	The successful bidder shall provide on-site comprehensive warranty for 10 Years for all supplied Network Devices, including part replacement /repairs at no cost to GFGNL within 24 hours of reporting, hardware related software updates; upgrades; patches and bug fixes for hardware and related Software from OEM for 24 x 7 x 365 days and operating support as and when required.	Please clarify meanng of comprehensive onsite warranty and comprehensive. Also, does it include all faults attended onsite by bidder. Is there any SLA that needs to be adherared bases on the criticality of fault?		The OEM & Bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date. This clause is purposed for the OEM to declare in the MAF, and it is non-negotiable condition.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
67	44	Network Element Management System:	Should be capable of creating Service templates based on GFGNL's Requirement	We understand that the Service template can be created by OSS, which will be integrated with OEM NMS through the REST interface. Kindly amend and please confirm.		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>



Sr N o	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system (network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
68	44	Network Element Management System:	Support for One-Touch Provisioning across integrated IP-MPLS-DWDM networks to streamline	We understand that the ZTP requirement can be fulfilled by using separate servers to perform ZTP operations. Kindly amend and please confirm		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system (network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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69	45	Network Element Management System:	<ul style="list-style-type: none"> <li>o Plug-and-Play Capability</li> <li>o Zero-touch provisioning for deployed solution.</li> <li>o Auto-configuration of optical and IP-MPLS elements.</li> </ul>	We understand that the ZTP requirement can be fulfilled by using separate servers to perform ZTP operations. Kindly amend and please confirm		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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70	47	b) Service provisioning (Automated):	Proposed Solution shall comply Zero-touch provisioning for all type of services. Proposed solution should support the end-to-end services from State capital to Last remote level entities as and when required to the following segments, but not limited to,	We understand that the ZTP requirement can be fulfilled by using separate servers to perform ZTP operations. Kindly amend and please confirm		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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71	48	b) Service provisionin g (Automated):	As the network is being rolled out, ability of the network to monitor and run varied services on deployed network with service SLA's and quality of experience is one of the base objectives. Continuous and real time service provisioning and monitoring has become of paramount importance. The selected bidder needs to ensure that the proposed solution should seamlessly interwork with the details as given below.	We understand that this requirement is fulfilled by RFC 2544 functionality. Kindly make this amendment and please confirm at your earliest convenience.		RFC 2544 or equivalent allowed to serve functionality and objectivity of the RFP



Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
72	49	c) Service Performance Monitoring (Qualitative Service Visibility):	22 EMS for Supplied, Equipment — NBI API Standards should be base o T-API ONF o IETF L3SM & L2SM o SNMP — SBI API Standards should be based on o Netconf, CORBA, CLI o PCEP o BGP-LS, LLDP o gRPC/gNMI	We request you to allow REST API/WebSocket standard NBI interfaces as an alternative to SNMP. Kindly amend and please confirm confirm.		Equivalent allowed to serve functionality and objectivity of the RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
73	52	B. Technical Specifications:	23 Centralized GUI Based SDN Controller Requires for End-to-End management of Transport Backhaul Network supporting Full FCAPS Functionality with additional features like Zero Touch Provisioning, Templates based service creation, representation of 3rd part NEs as Un-managed Elements and present various network audit and reporting features (Dash boards, PDF Reports etc).	<p>We understand that the ZTP requirement can be fulfilled by using separate servers to perform ZTP operations. Kindly amend and please confirm.</p> <p>We understand that the .CSV reports are easier to analyse and process the data than the PDF reports. Kindly amend and please confirm.</p>		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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74	52	B. Technical Specifications:	9. Real time visibility & monitoring of both Network and Application(s) for better co-relation of the Service impact pro-actively rather than re-actively. (Milli Second Level visibility: 20pps to 1000 pps for real time monitoring) for continuous real time KPIs and SLA reporting.	We understand that the OEM NMS has been providing all performance data and alarms/events to the OSS to analyse and generate SLA reports with proactive monitoring. We recommend not to include SLA functionality in OEM NMS. Kindly make this amendment and please confirm at your earliest convenience.		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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75	Page 4 and page 51	Revised Eligibility Criteria , item 9 and Sr. No 48	<p>9. )The OEM should have total annual turnover of Rs 200 Cr in the last five financial year</p> <p>Certificate from the Statutory auditor/ CA clearly specifying the annual turnover for (2019-20, 2020-21, 2021-22, 2022-23 &amp; 2023-24) solely generated from the business of Quoted technology solution equipment only.</p> <p>Sr. No 48) The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification assessment is specifically provisioned to assess expertise, proven product, and traffic design on quoted technology /</p>	<p>This new requirement should be 100 CR as mentioned in the Sr. No 48 under Corrigendum III but is not listed in the Revised Eligibility Criteria. Please confirm and provide the new requirement.</p>		<p>Pls refer Corrigendum-III, Revised Eligibility Criteria: S.No.2</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>product line. The evaluation on any other technology which is not sought under this RFP is not much of relevance. The intent of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet. Still for wider competition, the clause is revised with 50% reduction in the ask. Please refer revised eligibility criteria table.</p>			

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76	Page 5 and page 50	Revised Eligibility Criteria , item 5 and Sr. No 47	<p>5. OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 500 numbers of Quoted technology solution equipment for atleast one customer in last 3 years as on date of bid submission.</p> <p>Sr. 47.OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 800 numbers of Quoted technology solution equipment for atleast one customers in last 3 years as on date of bid submission . Order may be considered in phase manner in asked time period, customer certificate for supply of quoted solution (product code) along with quantity &amp; time</p>	Should this be 800 or 500 numbers under item 5 for Revised Eligibility Criteria ? In the Revised Eligibility Criteria is listed 500 but in Sr 47 is 800 . Please confirm on the new requirement.		Pls refer Corrigendum-III, Revised Eligibility Criteria: S.No.5



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			duration has to be submitted.			

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77	Page 50	24 (d)(11)	Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution, The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR	The security traffic will be carried transparently over the back haul network, the mentioned features can not be part of the routers use in back haul network. Kindly confirm the understanding.		The Protocol and security compliance related to the supplied product has to be ensure by the Bidder and OEM as specified DoT/TRAI/GoG/CERT/et c. Thus, offered product /solution must adhere to security norms, prevailing security practices and it should not limit functionality of security activations.

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			(Extended detection and response), a Zero Trust Internet Security, Data Leak Prevention (DLP), Log repositories, Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF (Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN.			

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78	43	Section 6. sub clause C - clause 19 point C	Equipment shall run on DC input voltage in the range of -42V DC to-60V DC. and shall operate at ambient temperatures in the range of '-5 °C to +55 °C to sustain operation during outage, 5% to 85% Relative Humidity. All proposed equipments (core and aggregation) must be complied to Tests mentioned under category B of QM 333, OEM to produce certification to validate the same.	Kindly allow similar alternate international environment standards in place of QM333.		QM333 or equivalent international standards allowed
79	51	B. Technical Specifications:S.No. 6 Pluggable support	Electrical, Colored C/DWDM, Tunable, Coherent, non-colored, Compact SFP (CSFP), SFP+, QSFP28, CFP2, CFP, and bidirectional CSFP/SFPs/ SFP+s	Most of industry deployment uses Electrical/SFP/QSFP28/SFP +/-coherent/tunable plugs. Since Solution design is left for OEM, kindly allow to use appropriate plugs as per solution proposed.		As per functionality and objectivity of the RFP is met

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80	30	Scope of Work	It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure	Please mention the use cases and location of POC (customer's lab or Ciena's lab?)		As per convenience of both SI/OEM and Bidder considering transparent measures.

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81	53	Warranty and Services:	The successful bidder shall provide on-site comprehensive warranty for 10 Years for all supplied Network Devices, including part replacement /repairs at no cost to GFGNL within 24 hours of reporting, hardware related software updates; upgrades; patches and bug fixes for hardware and related Software from OEM for 24 x 7 x 365 days and operating support as and when required.	Please clarify meaning of comprehensive onsite warranty and comprehensive. Also, does it include all faults attended onsite by bidder. Is there any SLA that needs to be adhered bases on the criticality of fault?		The OEM & Bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date. This clause is purposed for the OEM to declare in the MAF and it is non-negotiable condition.

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82	51	Compliance	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR for Quoted technology solution equipment	We suggest if the equipment is meeting international norms, TEC GR may be asked as optional requirement for specific use cases only. We request to make it optional. Kindly confirm.	The tender document mention sufficient specific technologies and protocols to control the scope and quality of technical solution. As this is the design based RFP explicit compliance to the TEC GR (which is limited to India) is counterproductive. International std like ITU-T, ETSI and IETF are enough are acceptable std to all vendors. Hence, complete compliance to TEC-GR may kindly be optional. As it contains lot of redundant legacy requirements.	Specification as per TEC GR or equivalence standard globally acceptable is allowed subject to business and functionality objective is met.

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83	51	Service Type	Unicast, Multicast and Broadcast services Point to Point, Point to Multi Point and Multi point to Multi point service IPv4 and IPv6 (capability of minimum 2 lakh Ipv4 / 1 lakh Ipv6 routes)	Considering the targeted services to be deployed on this network, asked numbers are too high, we request to kindly reduce these numbers to 96K in FIB, kindly confirm.	Request for clarification for scale. 1. Whether the scale refers to RIB or FIB or both. 2. The scale should be different for sub-block and master block routers. 3. The scale asked is too high and does not justify the requirements. Hence it should be limited to 90K.	As per RFP



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84	52	Security	Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6, Layer 2 ingress ACLs, MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x	With multiple security features available we request MACsec may be allowed as an optional requirement. Kindly Confirm.	Use of MACsec is not envisaged. As, it is layer-2 encryption protocol. It is not typically used in any backhaul network. Ask of Macsec will lead to much higher use of specification of platform and very high cost	MACsec or equivalent allowed

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85	10	13.A.6.C Network Design:	<p>Network Design: Backhaul transport network should be categorized mainly in two layers and equipment nodes may be considered accordingly. Proposed quoted technology solution equipment should have capability to handle surge protection of 2KVA. 1. Core Layer: (Minimum 800 Gbps switching capacity)</p> <ul style="list-style-type: none"> <li>•Should be capable of supporting multiple 100G to 400G interfaces.</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>	We understand that fixed architecture platform without redundant control plane and without data plane cards in hardware is also allowed however the network performance needs to be meet as per RFP through redundancy in network design. Kindly confirm the understanding.		The ask is clearly mentioned in the Corrigendum-III, and non-negotiable.

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86	44	23. Network Element Management System:	Support for One-Touch Provisioning across integrated IP-MPLS-DWDM networks to streamline	We understand that one touch provisioning across integrated IP-MPLS DWDM network is to execute the service template once the user has completed applying all input parameters for the service under provisioning.The infra layer service required for the customer provisioning is in place before the customer service provisioning.Kindly confirm the understanding	Due to infra layer IP/MPLS and DWDM service provisioning at respective different layers, Provisioning across network domains would require discrete efforts.	The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.  The OEM/bidder is

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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87	45	23. Network Element Management System:	<ul style="list-style-type: none"> <li>o Plug-and-Play Capability</li> <li>o Zero-touch provisioning for deployed solution.</li> <li>o Auto-configuration of optical and IP-MPLS elements.</li> </ul>	<p>We understand that Zero Touch Provisioning solution for auto-configuration (node commissioning) of optical &amp; IP-MPLS elements should be supported in the proposed NMS solutions along with external tools.- Kindly confirm the understanding</p>	<p>ZTP requires separate DHCP server along with utility to push configuration to the network elements. Hence NMS along with ZTP tool can achieve the requirement.</p>	<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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88	47	24. (b) Service provisioning (Automated):	Proposed Solution shall comply Zero-touch provisioning for all type of services. Proposed solution should support the end-to-end services from State capital to Last remote level entities as and when required to the following segments, but not limited to,	We understand that Proposed Solution shall comply Zero-touch provisioning (node commissioning) for all type of routers. Proposed solution should support the end-to-end services from State capital to Last remote level entities as and when required to the following segments, but not limited to, - Kindly confirm the understanding	ZTP is used for automated node commissioning only. Services can not be provisioned with zero touch.	<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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89	49	24. (c) Service Performance Monitoring (Qualitative Service Visibility):	9. Real time visibility & monitoring of both Network and Application(s) for better co-relation of the Service impact pro-actively rather than re-actively. (Milli Second Level visibility: 20pps to 1000 pps for real time monitoring) for continuous real time KPIs and SLA reporting.	It is not possible to show miliseconds level visibility due to GUI refresh constarints and additionally getting service impact proactively due to unplanned network failure is not feasible.Hope the service impact ask is not on account of simulation of failure in the network. Request you to kindly ammend the clause.		<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is</p>

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						<p>essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

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90	52	22 EMS for Supplied, Equipment	<ul style="list-style-type: none"> <li>— NBI API Standards should be base <ul style="list-style-type: none"> <li>o T-API ONF</li> <li>o IETF L3SM &amp; L2SM</li> <li>o SNMP</li> </ul> </li> <li>— SBI API Standards should be based on <ul style="list-style-type: none"> <li>o Netconf, CORBA, CLI</li> <li>o PCEP</li> <li>o BGP-LS, LLDP</li> <li>o gRPC/gNMI</li> </ul> </li> </ul>	<p>Request you to add in NBI APIs : REST API, Web Socket.</p> <p>One of the industry std NBI from the given option should be acceptable.</p> <p>REST,Web Socket should be added in the NBIs. Kindly confirm</p>	<p>One of the industry std NBI from the given option should be acceptable. REST,Web Socket should be added in the NBIs</p>	<p>Equivalent allowed to serve functionality and objectivity of the RFP</p>
91	-	Additional Clause	<p>Bidder has to supply quoted technology solution equipment with below mentioned minimum specification in alignment with BSNL Phase-III requirement. Bidder may refer further technical specification in the BSNL BID Ref "Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024".</p> <p>For Type-A: Core Layer Equipment: Minimum 800 Gbps capacity:</p>	<p>We request GFGNL to limit the number of 25G port requirement at core router upto 4x25G per core router and rest 14x10G ports can be realized through using a drop box.</p>	-	<p>The business and functional requirements of the network is explicit and therefore the box configuration including number of ports and ports capacity is non-negotiable and is strictly to be abided while bidding. Any deviation or downsizing to save the cost shall result into disqualification. For further clarity, the business and functional requirement is explained in visual manner in the</p>

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			<p>a) 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),</p> <p>b) 18 ports of 10G/25G (12 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable)</p> <p>c) 6 ports of 1G/10G (Pluggable will be in Variable supply)</p> <p>For Type-B: Aggregation Layer Equipment: Minimum 300 Gbps capacity:</p> <p>a) 3 ports of 100G (Pluggable will be in scope of bidder as per solution design),</p> <p>b) 16 ports of 10G (10 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable)</p>			<p>Corrigendum-IV including number of ports, purpose of ports and capacity.</p>

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			c) 6 ports of 1G/10G (Pluggable will be in Variable supply)			
92	-	Revised Eligibility Criteria	OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 500 numbers of Quoted technology solution equipment for atleast one customer in last 3 years as on date of bid submission.	From this clause, We understand that the experience certificate of IP/MPLS router with grey optics or coherent optics is acceptable .Kindly confirm. This understanding gets reiterated vide latest 2024 TEC GR 48050:2024. for IP/MPLS Router, whereby the Technology is IP/MPLS in routers and colored or grey optics can be equipped on the IP/MPLS Routers depending on the application being used.	-	The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification scanner is specifically provisioned to protect the government image and possibility of sub-optimal outcome. The intend of the RFP is to ascertain evaluation

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				However, If this understanding differs from your understanding, then it becomes a restrictive clause for participation for domestic manufacturers like ours. In view of this, we would kindly request that the "quoted technology" be explicitly defined as an IP/MPLS router, which may be equipped with either grey optics or coherent optics.		on quoted technology and wider acceptability in the market to de-risk BharatNet. The experience is relevant on the quoted technology.

**Revised Technical Evaluation Criteria:**

S/N	Criteria	Max. Marks
1	<p><b>OEM Experience Capability:</b>  <b>Offered Product Portfolio of quoted technology solution in last 7 Years for (as part of contract)</b></p> <ul style="list-style-type: none"> <li>— Supplied quantity in numbers:  Greatest Size among Bid participants = 5-4 Marks  Greatest Size to 75% of Greatest Size = 3 marks  Less than 75% of Greatest Size = 2 marks</li> <li>— Unique clientele based to understand wider acceptability credentials in numbers,  Greatest Size among Bid participants = 5-4 Marks  Greatest Size to 75% of Greatest Size = 3 marks  Less than 75% of Greatest Size = 2 marks</li> <li>---- <b>Make In India quoted technology product = 2 Marks</b></li> </ul>	10

S/N	Criteria	Max. Marks
2	<p><b>Rollout Commitment</b> (It will be part of the contract):</p> <p>Bidder can showcase their expertise and give revise milestone (Immediate workorder for Phase-II and future Intimate workorder for Phase-I) for early rollout of the project. Marking will be given based on percentile of highest commitment from the bidder.</p> <p>RFP Baseline is T+150 Days.</p>	10
3	<p><b>Network design (HLD) baseline, bestline and unique features</b>(It will be part of the contract):</p> <ul style="list-style-type: none"> <li>— Traffic Engineering including Core layer and Aggregation layer</li> <li>— Internet breakout architecture at district level,</li> <li>— Inter-island Bandwidth provisioning</li> <li>— No use of existing transport equipment in proposed solution</li> </ul>	15
4	<p><b>Solution Highlights</b> (It will be part of the contract):</p> <ul style="list-style-type: none"> <li>— Alignment of Solution with BharatNet Phase-III from Day-1</li> <li>— Alignment of Solution with GSWAN (Government Intranet traffic at TC/DC/GP) from Day-1</li> <li>— DR Link in between SDC to Vadodara in next intimation order (BharatNet Phase-III)</li> <li>— Higher uptime Preparedness in the design</li> </ul>	10
5	<p><b>Space utilization (“U” in Size) at Site and State Data Center by proposed solution</b>(It will be part of the contract):</p> <ul style="list-style-type: none"> <li>— Least Size among Bid participants = 5 marks</li> <li>— Least Size to &lt; 150% of Least size = 3 marks</li> <li>— &gt; 150% of Least size = 2 marks</li> </ul> <p>Power Consumption (“KWH” in Unit per Hour) at Site and State Data Center by proposed solution</p> <ul style="list-style-type: none"> <li>— Least Units among Bid participants = 5 marks</li> <li>— Least Size to &lt; 120% of Least size = 3 marks</li> <li>— &gt; 120% of Least size = 2 marks</li> </ul>	10

S/N	Criteria	Max. Marks
6	<p><b>Additional Offering without any additional cost to GFGNL (It will be part of the contract)</b></p> <ul style="list-style-type: none"> <li>a) More number of spares, - every 1% increase from RFP baseline = 2 marks</li> <li>b) Extension in the warranty of offered products, -every 1% increase from RFP baseline = 2 marks</li> <li>c) More number of 2CNO locations (Redundancy component), -every 1% increase from RFP baseline = 2 marks</li> <li>d) Repair &amp; return commitment in Days from OEM or service center, Expected time for RS&amp;RR (Repair, Service, Restore and Replace) is 15 Days, -every 10% reduction in 15 days = 2 marks</li> </ul>	15
7	<p><b>Presentation: (It will be part of the contract): -</b></p> <ul style="list-style-type: none"> <li>a) Previous Project use cases– 6 marks</li> <li>b) Operational Plan, Training, Knowledge transfer &amp; Network Handover strategy to BharatNet Phase- III (ABP) PIA (Two Packages each) – 6 marks</li> <li>c) Value added services, EMS features, functionality, Dashboard report, NOC experience, Security solution – 6 marks</li> <li>d) Lucrative Buyback plan (based on suggestive depreciation formula or any other best practices) or Re-deployment plan of existing transport network along with service support for mitigate govt. losses – 6 marks (For Package A - 3 marks &amp; For Package B – 3 marks)</li> <li>e) Strategic inputs for widespread utilization of the backhaul transport network for income, increasing client interest and to attract potential customers – 6 marks</li> </ul>	30
	<b>Total Marks</b>	<b>100</b>

**Note:**



- i. Minimum qualified score from technical qualification to become eligible for next stage of financial bid opening will be 70 marks for bidders. Bidders are requested to provide document for evaluation and marking as defined in Section Eligibility Criteria.
- ii. Document submitted including the details covered in presentation during technical evaluation is binding to bidder and will be part of final agreement.
- iii. "Technical bid" will be evaluated only for the Bidders who succeed in Eligibility Criteria.
- iv. Technical Committee will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at committee's discretion.

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