

Corrigendum-IV (Part-01)

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

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

Issued by:

Gujarat Fibre Grid Network Limited

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

01st April 2025



Issued By:

Gujarat Fibre Grid Network Limited (GFGNL)

A Government of Gujarat Company

Block No: 6, 5th Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010

v) FACT SHEET

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

Additional clauses/notes/clarification and modification:

1. Bidder has to open separate escrow account for Gujarat ABP Project only and shall maintain minimum consistent balance as per declaration for BID capacity for committed cashflow. Payment made by GFGNL may be part of this account.
2. Revenue share model in RFP section – 5.6 stands deleted. It will be addressed separately. However, GFGNL may issue separate EoI followed with onboarding of 3rd party for exploring possibility of laying additional OFC cable along with their duct in same trench of BharatNet during execution stage by the PIA without any additional cost to GFGNL. The PIA will be compensated Rs. 20 per meter on account of additional Duct laying and OFC blowing both. The role of PIA in this likely arrangement is limited to co-operate and facilitate 3rd party authorized by GFGNL without any further risk and cost to PIA.
3. Related to ROW:
 - I. For the cases of challenges with existing RoW authority, change of authority (i.e. state to NH/NE, forest territory etc), revised RoW guideline etc. during delay in conclusive process of ROW, PIA shall be responsible for re-initiating/re-applying RoW application for the compliance without any additional cost to GFGNL.
 - II. If PIA has completed OFC laying work & fails to get the required RoW permission due to his/her negligence, no follow-ups with RoW authority, query resolution pending given by RoW authorities time to time during entire RoW process, then penalty of Rs. 50/meter will be applicable for failing in getting the RoW permission on affected route length. If such is the case for any SH/NH/Railway/Major Canal/O&G crossing, then penalty of Rs. 50,000 per crossing is applicable to PIA over and above actual penalty levied by the ROW agency. This penalty will be over and above maximum penalty cap limit.
 - III. GFGNL is paying ROW associated refunds on request of PIA. Therefore, it is the duty of PIA to get refund of RoW Security Deposit or Bank Guarantee within outer limit of 6 months of completion of the work associated with corresponding of ROW. In consequence of failing upon by the PIA, GFGNL may withhold/recover amount from payables to PIA. Any deduction by RoW agency from refundable amount shall be recovered from PIA payables.

Note – The above special provisions to de-risk the GFGNL shall be applicable over and above ROW section – 5.11 for the clarity.

Revised clause for Bid evaluation:

The bids would be processed in the following sequence:

Stage-I: Tender Fee, EMD, Integrity pact, Authorization.

Stage-II: Bidder's qualification stage:

The purpose of this stage is to examine financial strength, execution credentials, quality certifications, Land border regulations and etc based on submissions as evidentiary proofs specified in the Pre-qualification criteria section. Any shortfall in the specified benchmarks is a good reason to disqualify bidder at this stage.

Stage-III: Bid qualification stage:

The purpose of this stage is to examine available bid capacity related commitments for Gujarat, Fiberization and Network design, better quality components, Contractual commitment towards early HoTo and project rollout for before time delivery of project, Contractual commitment towards increasing high network uptime and better MTTR, additional creativity and offerings without additional charges.

It is mandatory for the bidder to provide legitimate documentary proofs / committal undertakings for claiming the score as specified in the technical qualification criteria section. Any higher commitment shall be revised in the SLA and timelines part of the contract unconditionally.

It is mandatory to score minimum 60% in each criteria section and overall score of minimum 75% for qualifying into final stage.

Any shortfall to the minimum specified score is a good reason to disqualify bidder at this stage.

Stage-IV: Financial stage:

Least cost method is applied.

If L1 Bidder is not agree or not qualify at later stage to execute the project for any reason, Tenderer may call L2 Bidder to match the price of L1. If L2 agree to match the price of L1, tenderer may award the contract. The same process may be followed for remaining qualified Bidders. Tenderer may cancel this procurement process at any time prior to a formal written contract being executed by or on behalf of the GFGNL without giving any reason. This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.

In case of any ambiguity, GFGNL may download the files from the portal and do the offline evaluation as per the parameter defined in tender document.

3.2 Revised TECHNICAL QUALIFICATION CRITERIA

Notes-

1. The bidder(s) has to submit the valid and legitimate documents for claiming the score including corresponding formula.
2. A rank stand for 100% weightage to be considered for scoring in below evaluation table. Subsequently, B rank stands for 75% weightage and C rank stands for 60% weightage.
3. Bidder to provide documentary proof for each participated package separately.

S. No.	Criteria	Evaluation (for each Package)	Documentary Proof	Score
1	Bid capacity	Financial Capacity of SI: Committed financial resources for Gujarat for managing cashflow A- Above Rs. 200 Cr B- Rs. 150 to 200 Cr C- Rs. 100 to 150 Cr	Committed financial resources = Total funds available – Total funds required for inhand projects	6
		Supply capacity of OEM (OFC, Duct): Committed monthly capacity for Gujarat A- Above 1500 KM B- 1200 to 1500 KM C- 1000 to 1200 KM	Committed Capacity = Monthly Manufacturing capacity – existing monthly order book • Minimum monthly commitment from OEM as part of the MAF to be submitted.	2
		Supply capacity of OEM (Router, UPS): Committed monthly capacity for Gujarat A- Above 1000 Numbers B- 750 to 1000 Numbers C- 500 to 750 Numbers	Committed Capacity = Monthly Manufacturing capacity – existing monthly order book • Minimum monthly commitment from OEM as part of the MAF to be submitted.	2

S. No.	Criteria	Evaluation (for each Package)	Documentary Proof	Score
2	Offered product portfolio	Quality products / components (OFC, Duct, RFMS, Router, UPS, Mini-OLT) — Supplied quantities in past 3 years (7 score) A. Top 2 rank B. Top 3 to 5 rank C. For remaining rank — Additional quality certification issued by any Govt./ National associations (4 score) A. Top 2 rank B. Top 3 to 5 rank C. For remaining rank — Repair & return commitment for active components (4 score) A. Within one week B. Within two weeks C. Within three weeks	— The comparative ranking among all the bid participants will be considered for each of the parameters. — Additional quality certification over and above asked in the RFP — Faster repair & return commitment basis	15
3	HoTo	HoTo Commitment for Phase-I GPs (Maximum 180 days) : (6 score) A. Within 120 days B. Within 150 days C. Within 180 days HoTo Commitment for Phase-II GPs (Maximum 90 days) : (4 score) A. Within 60 days B. Within 75 days C. Within 90 days	— Legitimate undertaking as part of revision in the contract for penalty calculation	10
4	Network Uptime and Mean-Time to restore (MTTR)	Uptime commitment at GP: (15 score) A. Above or equal 99.5% B. Above or equal 99.0% C. Minimum 98.5% MTTR commitment: (5 score)	— Legitimate undertaking as part of revision in the contract for penalty calculation — Anyone proof of previous project on achievement of Uptime and MTTR for quarterly basis as a past performance	20

S. No.	Criteria	Evaluation (for each Package)	Documentary Proof	Score
		A. Less than or equal to 3 Hrs B. Less than or equal to 3.5 Hrs C. Maximum 4 Hrs	— Bidder will be also eligible for getting incentive	
5	Rollout Commitment	Rollout commitment for Phase-I GPs: (6 score) A. Less than 22 months B. Less than 26 months C. Maximum 30 months Rollout commitment for Phase-II GPs: (4 score) A. Less than 18 months B. Less than 21 months C. Maximum 24 months	— Legitimate undertaking as part of revision in the contract for penalty calculation	10
6	Qualitative network design	Qualitative Commitments: 1) Rectification or replacement of the % work scope: Phase-I existing network (4 score) A. Within 16% B. Within 18% C. Within 20% 2) Rectification or replacement of the % work scope: Phase-II existing network (2 score) A. Within 6% B. Within 8% C. Within 10% 3) No of Block/Sub-block with more than three fiber path protection (> 2CNO) on separate route (2 score) A. Above 60 locations B. Above 45 locations C. Above 30 locations 4) % GP for dual homing (2 score) A. Above and equal to 75% B. Above and equal to 70%	— Legitimate undertaking as part of revision in the contract for penalty calculation	10

S. No.	Criteria	Evaluation (for each Package)	Documentary Proof	Score
		C. Above and equal to 65%		
7	Fiberization	Fiberization design on GIS reflecting route diagram including computation Areas: Incorporation of all design principles and diverse scenarios 1. Two contiguous blocks of Phase-I anywhere in Gujarat 2. Two contiguous blocks of Phase-II anywhere in Gujarat 3. One block having terrestrial challenge (i.e. hilly terrain, forest etc) 4. One block of Kutch region (Applicable for package-B) Note: Bidders may choose different districts in consultation with GFGNL for sample designing , presented improvised version above RFP benchmarks shall be baseline for implementation across network.	— Legitimate undertaking as part of revision in the contract for penalty calculation	20
8	Additional Offering	Additional Offering over and above the ask of RFP without additional charges - 4S (Service Portfolio, Service Provisioning, Service Performance Monitoring, Service audit and security Compliance) I. Additional support in Lastmile connectivity II. Additional FRT III. Co-ordination support for Tower fiberization IV. Additional years of O&M V. Network experience center VI. Best emerging technology pilots in networking VII. Branding and marketing manpower commitment VIII. Manpower skilling and training IX. Any other significant creative offering On fulfillment of above offering, A. Any 6 offering out of 9 B. Any 4 offering out of 9	— Legitimate undertaking as part of commitment for additional offering	5

S. No.	Criteria	Evaluation (for each Package)	Documentary Proof	Score
		C. Any 2 offering out of 9		
Total Score				100

Illustration:

Evaluation (for each Package)	Documentary Proof	Score
Supply capacity of OEM (OFC, Duct): Committed monthly capacity for Gujarat A- Above 1500 KM B- 1200 to 1500 KM C- 1000 to 1200 KM	Committed Capacity = Monthly Manufacturing capacity – existing monthly order book	2

If OEM of OFC has submitted the committed monthly capacity of 1600 Km (Manufacturing capacity of 3000 Km – existing order book of 1400 Km), and

If OEM of Duct has submitted the committed monthly capacity of 1400 Km (Manufacturing capacity of 3000 Km – existing order book of 1600 Km),

Then,

OFC OEM will get A rank and will get score of 2 (100% of 2 score) and Duct OEM will get B rank and will get score of 1.5 (75% of 2 score).

Finally, Average score of 2 and 1.5 equals to 1.75 will be considered as final score.

3.2 TECHNICAL QUALIFICATION CRITERIA

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.

S/N	Criteria	Max.
		Marks
1	The available bid capacity of the following entities as delivery commitment (Undertaking) for Gujarat to execute project on time a) Bidder b) Fiber OEM c) Duct OEM d) UPS OEM. Note: The bidder has to submit the undertaking from the OEM for each of the component to fulfill the delivery and AMC/Warranty support during entire contract duration without any missing milestones.	10
2	<u>Offered Product Portfolio with % market share (will be as part of contract) (Product Proposed at SDC, block, sub-block, GP and TC / DC):</u>	15
	- Passive Component (Supplied quantity in last 3 years, Manufacturing capacity, Service support) - Active Component (Past supplies of offered family and visibility software (EMS) single UI, Repair & return commitment) - Power Backup (Supplied quantity in last 3 years) Note: This marking will be based on Percentile. This will be part of the contract and deliverables and same shall be diligently applied in WO/Agreement	-
3	Power Consumption ("KWH" in Unit per Hour) at Site (at GP and Shelter end SDC, block, sub-block, GP and TC / DC) by proposed solution Least Units among Bid participants = 5 marks, Least Size to < 120% of Least size = 3 marks, More than 120% of Least size = 2 marks Note: Bidder has to consider, Quoted materials' Electricity Power Budget Consumptions (Notional Value) at full load.	5

S/N	Criteria	Max.
		Marks
	Bidder has to submit the quoted material valid document alongwith summary timestamp with authorized signatory.	
4	For Phase-I: Fiberization design of one district of Gujarat for improving overall health of the link & redundant link : • Clarity on broad principles mentioned in the RFP, HLD with traffic engineering,, % GP above the base criteria for dual homing, • Integration with Phase-2, • Special planning for optimization of fiber planning desert area like Kutchh, • % Scope of rework declared by PIA (10 % to 20%)(lower % will be having high mark) For Phase-2: • Fiberization design for improving overall health of link & redundant link: Clarity on broad principles mentioned in the RFP, • % GP above the base criteria for dual homing, • HLD with traffic engineering • % Scope of rework declared by PIA (5% to 10%) (lower % will be having high mark) <u>Note:</u> Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	20
5	HoTo Commitment: Any slippages in taking over process is non-negotiable. — Additional offering as contractual commitment on Early completion of HoTo will be rewarded with additional 1 marks per month per phase basis or part thereof. <u>Note:</u> Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	10
6	Minimum Up time including power protection: Minimum of 98.5 % at GP is having 9 marks, Each increase in 0.5%, 2 marks will be awarded up to maximum of 15 marks	20

S/N	Criteria	Max.
		Marks
	Mean time to restore (MTTR) : 4 hrs : 2 marks, <= 4 hrs : additional 1 marks for each reduction in MTTR in slot of 15 min up to max 5 marks <u>Note:</u> Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	
7	Early Roll-out commitment: • Bidder can showcase their expertise and give revise milestone for early rollout of the project. Marking will be given based on percentile of highest commitment from the bidder. <u>Note:</u> Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	10
8	• Additional Offering over and above the ask of RFP without additional charges – 4S (Service Portfolio, Service Provisioning, Service Performance Monitoring, Service audit and security Compliance) – Network Utilization incentive including TELCO support.	10
-	Total Marks	100

Note:1

- I. ~~The enhanced and better engineering design, higher quality specifications, and power budget proposed here for obtaining higher score shall be part of the contract and deliverables and same shall be diligently applied while making the payments.~~
- II. ~~GFGNL is authorized to recover the amount of variation in units (if actual unit is higher than projected) from SI payable quoted in the Power consumption.~~
- III. ~~Final evaluation will happen on QCBS (30:70), standard QCBS methodology shall be adopted.~~

~~**Process for Bidder's Final Scoring based on QCBS:**~~

The financial scores (Fs) of the other Financial Proposals will be computed as per the formula for determining the financial scores given below:
 ~~$F_s = 100 \times F_{low} / F_b$~~

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Where, ~~F_s = Normalized financial score for the bidder under consideration~~

~~F_b = Commercial quote for the bidder under consideration,~~

~~F_{low} = Commercial quote of the lowest evaluated financial bid criteria~~

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~~30% weightage will be given to "Technical Qualification derived from Technical Qualification Criteria" and 70% weightage will be given to "Financial Bid".~~

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~~In order to have a comprehensive assessment of the Bid price and the Quality of each bid:~~

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~~**Bidder Final Score (BFS) = $[(T_b/T_{high}) \times 100 \times 0.3] + [(F_{low}/F_b) \times 100 \times 0.7]$**~~

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~~T_b = The total marks obtained by the bidder against "Technical Qualification" criteria~~

~~T_{high} = The highest mark scored against "Technical Qualification" criteria among all responsive bids~~

~~F_b = Evaluated Bid Price of the bidder~~

~~F_{low} = The lowest of the evaluated bid prices among the responsive bids~~

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~~where, Note:~~

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~~I. The Evaluated **Bidder Final Score (BFS)** shall be considered up to two decimal places.~~

~~II. Contract shall be awarded to the bidder with the highest Evaluated **Bid Final Score (BFS)**.~~

~~In the event of two or more bids having the same highest Evaluated Bid Score, the bid scoring the highest marks against “Technical Qualification” criteria will be recommended for award of contract. Even if there is a tie, ‘draw of lots’ will be resorted to arrive at the recommended bidder.~~

6.2 Revised PAYMENT SCHEDULE OF PROJECT:

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
1	Milestone – 1 Kick off meeting, Signing off MSA, demand of Mobilization Advance	10% of capex value	NA	To be paid as an advance upon submission of Additional Bank Guarantee (ABG) of 110% of the mobilization advance, valid up to 60 days after the Project Go-Live milestone.
2	Milestone – 2 Digital pre-defined and transparent Model(3D) for GP Lit Delivery (Material Supply), Draw (Fiber route laying) and Discovery (GP equipment visibility)	For Phase-I GPs: 30% of Capex value per GP For Phase-I Revenue villages: 30% of Capex value per Revenue village For Phase-II GPs: 25% of Capex value per GP For Phase-II Revenue villages: 25% of Capex value per Revenue village	For Phase-I GP only: — Additional 1% of capex value per GP will be paid for meeting bestline criteria.	1. One existing path for GP: Subject to meeting the baseline / bestline criteria. 2. Lay the new fiber from Block to FPOI 3. Digital Asset (Fiber route, Equipment etc) register for Lit GPs and Revenue villages. 4. Last mile connectivity for Revenue village from respective GP. Documents submission: — Draw - Digital As Built Diagram on GIS (ABD report), — RFMS (OTDR link test reports) report — Discovery - GP Equipment (Router, UPS, Mini-OLT), “Sub-Block end RFMS, Router” and/or “Equipment for Lastmile connectivity of Revenue

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
				village” visibility on NMS using Lease line or backhaul transport network at Sub-blocks. — Proof of application of ROW submission for respective routes including GP, Sub-blocks and Master-blocks.
3	Milestone – 3 Sub-block to Sub-block Ring closure	For Phase-I and Phase-II GPs: 20% of Capex value per GP For Phase-I and Phase-II Revenue villages: 20% of Capex value per Revenue village	For Phase-I GP only: — Additional 1% of capex value per GP will be paid for meeting bestline criteria.	1. Each Sub-block must be connected on ring new fiber path of straight spinal path and functional up to State Data Center through Master-block (Refer Fiberization principles in section 5.3) 2. PIA has to make straight fibers for creating spinal sub-block to sub-block path using existing fiber routes of Phase-II (Refer Fiberization principles in section 5.3) 3. Subject to meeting the baseline / bestline criteria while using existing fibers of sub-block to sub-block. Documents submission: — Draw - Digital As Built Diagram on GIS (ABD report), — RFMS (OTDR link test reports) report — Discovery - Sub-Block equipment (RFMS, Router) and/or “End equipment for GP and Revenue villages” visibility on NMS using backhaul

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
				transport network at Sub-blocks or lease line of adjacent sub-block.
4	Milestone – 4 GP ring closure and Service testing	For Phase-I GPs: 20% 25% of Capex value per GP For Phase-I Revenue villages: 20% 25% of Capex value per Revenue village For Phase-II GPs: 25% 30% of Capex value per GP For Phase-II Revenue villages: 25% 30% of Capex value per Revenue village	— Withholding 5% of capex value per unit (GP/Revenue Village) if service testing not done through State capital via GFGNL transport node exemption only for ROW challenges or justifiable case to GFGNL. For Phase-I GP only: — Additional 1% of capex value per GP will be paid for meeting bestline criteria. Partial Go-Live For Phase-I & II: After successful GP ring closure and service testing, 50% O&M value per GP will be paid up to maximum 3 months. Same is applicable for revenue village also and O&M of	- Each GP parenting to Sub-block must be connected on ring fiber path by laying new fiber for GP lastmile and functionally tested for Dual homed or Single homed parenting. - Subject to meeting the baseline / bestline criteria while using existing fibers. Documents submission: — Draw - Digital As Built Diagram on GIS (ABD report), — RFMS (OTDR link test reports) report — Discovery - GP Equipment (Router, UPS, Mini-OLT) and “Sub-Block end RFMS, Router” and/or “Equipment for Lastmile connectivity of Revenue village” visibility on NMS using backhaul transport network only.

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
			existing old network will be discontinued.	— Update on application status of ROW submission for respective routes including GP, Sub-blocks and Master-blocks. — PIA shall perform Service provisioning (Includes but not limited to FTTH, Digital Sevasetu, MPLS), Network visibility in S-NOC, Qualitative KPIs report (Includes but not limited to Latency, Jitter, Packet loss), Network Dashboard visualization (Includes MTTR, No. of Cuts, Lossy fiber) and obtain WCC (Work Completion Certificate) / FAT (Field Acceptance Test) certificate from GFGNL.
5	Milestone – 5 Inspection and end deliverables of the project	For Phase-I GPs: 20% 15% of Capex value per GP For Phase-I Revenue villages: 20% 15% of Capex value per Revenue village For Phase-II GPs: 20% 15% of Capex value per GP For Phase-II Revenue villages: 20% 15% of Capex value per Revenue village	Phase-I GP only: Additional 2% of capex value per GP will be paid for meeting bestline criteria.	Documents submission: 1. Handover of the entire district to relevant stakeholders including all ROW permission approved documents for relevant OFC routes must be successfully completed. 2. Each Master-block/Sub-block parenting to neighboring Master-block/Sub-block or State capital must be connected on ring fiber path with minimum 2CNO (3-Paths) fiber path

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
				protections and functional to meet the agreed service level agreement (SLA) over GFGNL backhaul transport network. 3. Virtual Inspection and Physical Inspection reports along with dashboard summary. 4. Applicable after 90 days of cooling period and linked with performance parameters (KPI) post successful completion and fully operational of entire Sub-block (Atleast 95% of GPs and linked revenue villages scope in one Sub-block). 5. All services must be tested, and the network should be live with confirmed end-to-end connectivity. A final completion certificate issued by the GFGNL/TPA/IE and confirmation from the S-NOC of complete functionality will be required. 6. The Full Go-Live confirmation must also include any final quality checks, testing and validation as per the SLAs.

Sr. No.	Milestone	Linked Payment	Special Quality Criteria (Applicable for GP payment only)	Pre-requisites and Documentary Evidence
6	O&M Cost	1. Post Go-Live of Sub-block. 2. Go-live of Sub-block should be considered on successful completion of atleast 95% of GPs scope in respective Sub-block and will be eligible for 100% O&M.	NA	1. 100% of O&M value of respective year for specified package of the project to be paid in equal instalments on Quarterly basis, based on SLA achievements after deducting penalties if any. Documents submission: — Monthly SLA reports from NMS, Inventory report, Attendance report, O&M related reports, Helpdesk report, end customer feedback, e-mail, observations if any

Additional Clause:

Quality oriented Incentive (Reward) and Disincentive (Penalty) model:

- Baseline – Mandatory execution and quality ask of the RFP. Any deviation to that shall be tilted towards penalty model.
- Bestline – High execution and quality benchmark over and above baseline (Mandatory ask) of the RFP. The fulfillment of high benchmarks shall be encouraged and suitably rewarded as well.
- Incentives may accumulate / carry forward and may consider for setoff against implied penalties. Final amount after adjustment will be considered for payables to PIA post completion of project duration or at the end of financial year as the case may be.

S. No.	Criteria	Baseline	Bestline	Measurement	Incentive
1	Fiberization	a) Existing fiber for Phase-I: >60% of cores of existing optical fiber cable to be continuous in each section b) Existing fiber for Phase-II: >90% of cores of existing optical fiber cable to be continuous in each section c) Temporary Aerial cable should be 0 Mtr except routes where ROW and difficult terrain challenged for approved length. d) Accessible joint closure to be housed in Manhole chamber along with route marker and should be 90% of accessible chamber. e) As-built, Fiber splicing, ISP update in GIS should be 100%.	a) Existing fiber for Phase-I: >= 80% of cores of existing optical fiber cable to be continuous in each section b) Manhole accessibility should be 90% of total chambers in network.	OTDR report submission and meeting the fiber loss guideline with LSPM report submission.	Linked with Payment schedule of Project (Milestone-5): Additional 2% of capex value per GP will be paid for meeting BEST line criteria.

S. No.	Criteria	Baseline	Bestline	Measurement	Incentive
2	Rollout	a) Project rollout for Phase-I GPs are to be completed within 30 months b) Project rollout for Phase-II GPs are to be completed within 24 months	Project rollout Phase-I a) within 26 months b) within 22 months Project rollout Phase-II c) within 21 months d) within 18 months	Revised project timelines submission	For achieving entire project roll out target of respective phase, Linked with Payment schedule of Project (Milestone-5): — Additional 0.25% of capex value per GP will be paid for meeting BEST line criteria – a) — Additional 0.50% of capex value per GP will be paid for meeting BEST line criteria – b) — Additional 0.25% of capex value per GP will be paid for meeting BEST line criteria – c) — Additional 0.50% of capex value per GP will be paid for meeting BEST line criteria – d)

S. No.	Criteria	Baseline	Bestline	Measurement	Incentive
3	Network Uptime and Mean-Time to restore (MTTR)	a) Uptime commitment at GP should be minimum 98.5% b) MTTR should be maximum 4Hrs	Uptime at GP a) Above or equal 99.0% b) Above or equal 99.5% MTTR: c) Less than or equal to 3.5 Hrs d) Less than or equal to 3 Hrs	SLA report submission	Linked with O&M Payment: — Additional 0.5% of opex value per GP will be paid for meeting bestline criteria -a). — Additional 1% of opex value per GP will be paid for meeting bestline criteria -b). — Additional 0.5% of opex value per GP will be paid for meeting bestline criteria -c). — Additional 1% of opex value per GP will be paid for meeting bestline criteria -d).

5.6 REVENUE SHARE MODEL:

- a. ~~PIA's are encouraged to unlock opportunity of deploying earthen asset like duct/fibre without any additional financial burden on the GFCNL on revenue sharing basis mechanism.~~
- b. ~~It is well understood fibrizations work where majority of the cost is RoW, intangible support, digging and refilling cost, Operation and Maintenance cost of protecting fibre routes.~~
- c. ~~This model of allowing PIA's to lay additional assets while laying fibre in the scope of the work.~~
- d. ~~The above exception and model is not binding on any of the bidder to opt the same. This model is as part of risk and reward basis in anticipations of upward trade in digitalization, multifold growth in requirement of transmission of bids and future netigions.~~
- e. ~~The above exceptions is purely on creative wisdom of the PIA to assimilate opportunity in the ensuing the digital era and future demand of fibre as and emanse value propositions for the win-win situations for enabling telco laid digital eco system like ployfiliation of IoT, AI, Data laid economy, digital age society, mitigate digital divide in urban and rural areas and lastly opportunity of mask consumptions of digital laid economy and excluded unserved areas.~~
- f. ~~The above statements is aligned with possibility of data laid vision of 2047 of the State Government of Gujarat.~~
- g. ~~To provide simplify and numerical values, it is well understood cost and income numbers in overall frame of mindset while providing this exceptions for capitalizing unearthen value. The cost side is as under,~~

~~— In % form of overall cost to understand revenue streams thereafter~~

- ~~i. The one time cost of procuring and laying duct is approximately 10 % of total work including civil, RoW and workmanship cost.~~
- ~~ii. The one time cost of procuring and laying 24 or more core fibre with duct is 7 to 10 % of total work including civil, RoW(extra) and workmanship cost.~~
- ~~h. Looking at cost 20+% with above mentioned anticipated opportunity, the GFGNL revenue sharing model is applicable based on 50%-50%. Where Bidder has to share the 50% of revenue share to GFGNL.~~
- ~~i. This model is fundamental on mutual interest of private sector and Government for long term benefits of the creation of innovative opportunities, mutual internet of private, public sectors and nation moving towards vision 2047.~~
- ~~j. Above provision is only for dark fibre and duct and further it is on creativity of PIA to lay and activate the network for widespread utilizations in the Telco/ISP world.~~
- ~~k. This provision is applicable from Sub-block to sub-block and above(i.e., Sub block to master block,etc.) and strictly not allowed below the Sub-block i.e., Sub block to GP/Villages.~~
- ~~l. Repair, shifting and re-construct of this laid network of PIA will be solely responsibility of PIA. There will be no additional financial burden to GFGNL.~~
- ~~m. This revenue model is attempt to re-gain lost history of combining and revitalizations of the unearthen value of un-seen assets through incorporations of exceptions without any financial burden on public sector with novel model of combining strength of private sectors and win-win situation for all and everyone without compromising on bid.~~
- ~~n. Within this model, selected bidders will be required to allocate a fixed 50% of the overall cost of RKM to GFGNL for the privilege of deploying their own OFC cable/duct within the same trench of GFGNL new network.~~
- ~~o. GFGNL support in relation to the state-level BharatNet model, aiding in RoW and trench costs during the execution of the BharatNet Ph-III project.~~
- ~~p. It must be stated that the network deployment flexibility will be exclusive to GFGNL, new network trench.~~
- ~~q. Bidders will be expected to provide GFGNL with their network deployment strategy, including the plans and drawings, well in advance.~~
- ~~r. Kindly note that GFGNL will not make any financial contributions towards both the deployment and O&M phase.~~
- ~~s. GFGNL reserves the right to request access to the network drawing, as built, GIS, and other documents relevant to the bidder's deployed project as part of this revenue-sharing model.~~
- ~~t. The responsibility of coordinating with various agencies, including but not limited to RoW, bridge authority, and forest, as detailed in [section 5.10](#), rests solely with the bidder.~~
- ~~u. If the selected bidder deploys a new OFC network in GFGNL trench, bidder must ensure that it will not be used for GFGNL's Dark fibre/FTTx Revenue share Model/ customers connects either indirectly or directly with GFGNL network, in order to prevent any conflict of interest.~~
- ~~v. Any unauthorized or surreptitious deployment identified without prior intimation to GFGNL will be severely penalized with Rs 10,00,000/- RKM or part thereof. This will over and above cap limit of CAPEX / OPEX. Furthermore, any more than 3 reported incidences will be liable to discontinue of the sharing agreement with legal actions.~~
- ~~w. Without GFGNL's prior written consent, the selected bidder will not engage in any activities that conflict with our interests during the term.~~
- ~~x. Finally, bidders are required to acknowledge that they will not assign or transfer their rights under this agreement to a third party or engage in any sub-contacting/partnership that pertains to this agreement.~~
- ~~y. GFGNL aim is clear --no third-party interest shall be created.~~

Additional Clause:

Roles and functions of the IE (Independent Engineer):

1. Overview of the roles of Independent Engineer:

- a) Validate the high and low-level network design proposed by the PIA and recommend for approval to GFGNL.
- b) Inspect the Project and report any lapses, defects or deficiencies in project implementation to GFGNL and PIA.
- c) Perform acceptance testing of the network infrastructure and validate its conformance with Specification and Standards.
- d) In the event of any dispute, mediate and assist GFGNL and PIA in arriving at an amicable settlement.
- e) Review and validate penalties in case of PIA default during construction and O&M phase including non-compliance network performance/ SLAs and QoS parameters.
- f) During handover period, validate transfer of relevant records, and reports pertaining to the Project to GFGNL.
- g) Validate associated tasks required to perform with Environment, Health and Safety (EHS) compliances.

Moreover, phase-wise detailed scope of work for independent engineer is mentioned in the following sub- sections.

2. During Conditions Precedent/ Pre-Planning Phase:

Validation of fulfilment of GFGNL's and PIA's obligations during Condition Precedent (to be executed after signing of Contract Agreement). This includes the following but not limited to:

- a) Review existing network handover to the PIA with respect to PIA timeline for handover.
- b) Review and validate completeness of project execution and Operation & Maintenance (O&M) manual along with asset lifecycle management manuals, as required.
- c) Review if PIA submit approval request to GFGNL on the use of linear architecture on case-to-case basis.

3. Planning and Design Phase:

- a) Perform technical scrutiny of survey reports on GIS map.
- b) Review and validate network design, upgradation proposal of existing network, initial project plan.
- c) Review and validate the route diagram, route distances, ring closure, incorporation of fiberization principles, compliance with engineering guideline including EPC work and outcome, required for optical fibre cable, IP-MPLS equipment, power equipment and other accessories requirement.
- d) Review and validate the adequacy of space and power requirements for passive and active network elements for GP, Block and State Network Operations Centre (S-NOC).

4. Implementation Phase:

- a) Perform Material inspection for Quality and raise deviations/ discrepancies if any.
- b) Validate network infrastructure deployed items such as electronics, electrical, fibre etc. as per specifications and standards and design requirements.
- c) Perform audit for installation and commissioning of active equipment on site location to ensure best practices are being followed.

- d) Perform acceptance tests across Gram Panchayat (GP) and route based on agreed test schedules with stakeholders.
- e) Inspect and validate the integration of PIA's S-NOC (covering BharatNet existing network for upgradation and new network for creation) with BharatNet C-NOC.
- f) Validate network infrastructure and issue provisional and final completion certificate to the PIA.
- g) Validate closure of open punch points with PIA, in coordination with GFGNL.
- h) Review and assess applicable penalty for not achieving Project milestone
- i) Validate completeness of inventory / asset database records during the Construction Period
- j) The Independent Engineer shall perform all other duties and functions specified in the RFP.

5. Operations and Maintenance Phase:

Validation of fulfilment of PIA's obligations during operation period. This includes obligations such as disbursement of O&M Payments and validation of network performance SLAs in conformance with project and regulatory guidelines. This includes but not limited to the following:

- a) Review and assess applicable penalties for non-compliance to SLAs and QoS parameters.
- b) Validate compliance over O&M obligations to support Authority on disbursement of quarterly payment as per the provision of the Contract Agreement (MSA).
- c) Verify and validate completeness of inventory / asset database records during the operations period.
- d) Validate and assess penalty for default on obligation of serving non-discriminatory access to BharatNet services.
- e) Validate in case of PIA default during O&M phase.
- f) Assess, validate and approve requirements for change request extending scope of work.
- g) Six Monthly Inspection and Audit of the Network and compliance of rectification of defects/ deficiencies by the PIA.
- h) The Independent Engineer shall perform all other duties and functions specified in the RFP.

6. Handback Phase:

Validation of fulfilment of GFGNL's and PIA's obligations in the event of termination and transfer or handover of Project.

- a) Validate the inventory and Project's assets being managed and handed over by the PIA to GFGNL.
- b) Validate transfer of relevant records, and reports pertaining to the Project to GFGNL.
- c) The Independent Engineer shall perform all other duties and functions specified in the RFP.

7. Defined Timelines for timely execution of project:

S N	KPI	Timeline	Required Documentary Submission
1	Broad level technical scrutiny and design validation	within 10 days on receipt of survey report and design for all sub-blocks of the district	Copy of verified report to be submitted
2	Material inspection	Within 5 days of delivery of material / intimation by PIA or supplier	Verified dispatch certificate, signed & stamped delivery Challan. Inspection intimation by PIA/supplier
3	Review of completeness of OFC laying. Physically and on GIS	within 5 days of submission of measurement Book	Verified Measurement book, and AT report to be submitted
4	Acceptance testing at Block / GP / Other location	within 5 days of intimation by PIA.	AT report and commissioning certificate for each successfully completed Block, to be submitted
5	Inspection from S-NOC and/or C-NOC	within 5 days from intimation by PIA	AT report and verification report of S-NOC and C-NOC

Note: Digital certification/workflow validation through system of GFGNL are also valid for ease of submission and single source of verification.

Timeline mentioned are considering working days.

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