



SUPPLY, INSTALLATION AND COMMISSIONING OF NETWORKING SOLUTION AT GSRTC

REQUEST FOR PROPOSAL

Reference No: STG / EDP / NETWORKING/103
DATED 14.02.2018.



GUJARAT STATE ROAD TRANSPORT CORPORATION
CENTRAL OFFICE, CENTRAL WORKSHOP COMPOUND, NARODA
PATIA,
AHMEDABAD

Website: <http://www.gsrtc.in>
Tel No. 079-22801271; Fax 079-22803065



SCHEDULE TENDER NOTICE

E-TENDER No: STG/EDP/NETWORKING/103

Item description	Supply, Installation and Commissioning of Networking Solution at GSRTC
Locations	Central Office, Nr RANIP BUS PORT, GSRTC, Ahmedabad
Contract period	3 years warranty
Bid Validity	180 days
Tender fee(non- refundable)	Rs. 5000+900 (GST@18% on Tender Fee/-) in the form of Demand Draft (DD) issued by nationalized bank / scheduled bank in favor of “GSRTC Collection Account” Payable at Ahmedabad. Combined single draft of Rs. 5900/- is also accepted.
Earnest Money Deposit(EMD-Refundable)	Rs. 5,00,000 / - in the form of Demand Draft (DD) issued by nationalized bank / scheduled bank OR in the form of Bank Guarantee in favor of “GSRTC Collection Account” Payable at Ahmedabad.
E- Tendering Website details	https://www.nprocure.com
Tender Floating Date	14.02.2018
Last Date & Time of queries submission	17.02.2018 18:00 HRS
Issue of Clarification	19.02.2018
Last Date & Time of online Bid submission.	26.02.2018 18:00 HRS
Last Date & Time of physical submission of Tender Fee, EMD & all necessary documents.	26.02.2018 18:00 HRS
Date & Time for on-line opening of Technical Bid	27.02.2018 12:00 HRS
Date & time for on-line opening of Financial Bid.	28.02.2018 12:00 HRS

GSRTC reserves its right to reject any or all tenders or split the job between more than one bidder without assigning any reason thereof.



Definitions

Request for Proposal (RFP) – Formal procurement document in which a service or need is identified, but no specific method to achieve it has been chosen. The purpose of an RFP is to permit the consultant community to suggest various approaches to meet the need at a given price.

Addendum – An addendum is issued when supplemental information has been added to the RFP since its original posting.

Amendment -An amendment is issued when information in the RFP has been changed since its original posting.

GSRTC – Gujarat State Road Transport Corporation.

GOG -Government of Gujarat.

Bid- A formal offer submitted in response to this RFP.

Bidder- Individual or Company (firm, state agency, etc.) submitting a proposal in order to attain a contract with GSRTC.

Contract- Individual or company whose proposal has been accepted by GSRTC and is awarded a fully executed written contract.

Letter of Intent- The letter issued by GSRTC issued to the successful bidder intimating the acceptance of bidder's bid and intimating desire of GSRTC to award work order to that bidder.

Proposal- A formal offer submitted in response to this solicitation.

Service-level Agreement (SLA)- A service contract where the level of service is formally defined.



Eligibility Criteria

Sr.No.	Eligibility Criteria	Supporting document (should be notary)
A	Bidder shall be either Original Equipment Manufacture or shall be Authorized System Integrator Partner having direct purchase and quoted for this tender. (MAF is mandatory for all quoted items)	Certificate/Authorization letter specific to tender must be closed by authorized representative of the OEM with technical bid. In case the bidder is system Integrator partner MAF and declaration from OEM that production quoted is not end of life and it shall support spares, patches for the quoted products shall available for next 5 years from the date acceptance of the system.
B	Bidder shall be registered in India under Companies Act 1956 and Companies Act 2013 at least for 3 years on 31.12.2017	Certificate of Incorporation (Mandatory).
C	Bidder shall have valid certificate of ISO 9001:2008 or above and at least 3 years shall be completed as on 31.12.2017	Copy of Certification.
D	<p>Bidder's Average Annual Turnover of the Company Registered in India during last 3 years ending 31.03.17 shall be at least Rs. 10 Crore in India.</p> <p>Note: The annual turnover is taken for last three financial years ending 31.03.17 i.e. FY 2014-15, 2015-16 & 2016-17</p>	CA certified copy of the last three years (i.e. 2014-15, 2015-16 & 2016-17) audited finance statements or Audited Balance sheet along compulsory CA certified statement.
E	Bidder should have positive net-worth as per last audited balance sheet ending on 31-03-17	CA certified and audited balance sheet last year ending on 31-03-17
F	<p>Bidder should have successfully executed network project in any one of the following in last five years:</p> <p><input type="checkbox"/> One project of minimum 200 LAN /WAN nodes and worth of at least Rs. 50 lacs.</p> <p><input type="checkbox"/> Two projects of minimum 100 LAN /WAN nodes and worth of at least Rs. 35 lacs each;</p> <p><input type="checkbox"/> Three project of minimum 50 LAN /WAN nodes and worth of at least Rs. 25 lacs each</p>	Copy of purchase Order and completion certificate shall be enclosed by the bidder.



G	Bidder must have on its roll at least 25 technically qualified employee for IT projects execution.	An undertaking by an authorized signatory of the company needs to be submitted in this regard.
H	Bidder shall not be blacklisted / banned/ disqualified / declared ineligible / declared having dissatisfactory performance by any government / quasi- government authority in India for supply of materials / carrying out operations and maintenance work.	An undertaking by an authorized signatory of the company needs to be submitted in this regard. Also, enclose contact details of authorized personnel shall be attached for reference
Mandatory Documents to be submitted in technical bid to be verified for pre- qualification. Failure to which, Bidder will be technically disqualified.		
I	Bidder should be registered for GST.	Copy of the registration should be submitted with this bid.
J	Bidder shall have sales & service set up office in Gujarat since last 5 years as on tender floating date.	Office & service center address proof document (like telephone bill, electricity bill or rent agreement) should be submitted. (Any type of consortium/JV/sub-contract would not be allowed)
K	A power of attorney should be accompanied by the board resolution authorizing the Director/ competent authority to execute POA and such authorized official shall sign all Bid Documents/deeds/declarations/undertaking/communications etc. The authorized official shall represent the Bidder in connection with this project.	Original power of attorney on a stamp paper of Rs. 100/- (Rupees Hundred only) for this project along with board resolution of the company.

Note:

1. Proper indexing should be done with page no's mentioned.
2. The bidder must fulfill all the above criteria to be technically qualified and adequate documentary proof should be submitted for verification. If any of the above criteria are not met then such bid will not be considered for further processing.



SECTION 1: INTRODUCTION

Gujarat State Road Transport Corporation (GSRTC) is passenger transport organization providing bus services both within Gujarat and neighboring states.

GSRTC came into existence on 1st May, 1960 on formation of Gujarat. From a modest beginning of 7 divisions, 76 depots and 7 divisional workshops and a fleet of 1,767 buses it has gone to.....

- ☐ 16 Divisions
- ☐ 125 Depots
- ☐ 226 bus stations
- ☐ 1554 pickup stands
- ☐ 8300 buses

This remarkable growth is an outcome of unflagging effort of more than 40,000 workforce, dynamic management and sustained support from the state govt. It has built up formidable technical facilities.

These are:

- ☐ Three level maintenance and repair facility 126 depot workshops, 16 divisional workshops and a central workshop.
- ☐ 7 tire retreading plant
- ☐ Bus body building plant (1000 bus bodies /year).
- ☐ Ticket printing press

GSRTC is in search for a complete solution to accomplish requirements of Networking Solution with the aid of today technology along with available migration path to emerging technologies in future. This RFP is against the requirement for a Networking solution system for the purpose of better and quick management within the organization.

Documents for contractor's pre-qualification are invited for project namely supply, installation and commissioning of Networking Solution at Central Office, Near Ranop Bus Port, GSRTC Gujarat State Road Transport Corporation, General contractors backed up specialists who wish to bid for the qualification as set out in this documents.



Section 2: INVITATION FOR BIDS & INSTRUCTION TO BIDDERS

2.1. Invitation for bids bind the OEM legally

This invitation to bid is for “Supply, Installation and Commissioning of Networking Solution at Ranip Central office, Near Ranip Bus Port, GSRTC”. At the time of submission of the bid document the bidder has to submit the bid processing fee as a non-refundable amount **Rs. 5900/-** (Rs 5000 Fee + Rs. 900 GST @18%) in the form of Demand Draft in favor of “GSRTC Collection Account” payable at Ahmedabad. Bidder has to submit refundable EMD of **Rs. 500000/- (Rupees Five Lac only)** in the form of Demand Draft OR in the form of Bank Guarantee in favor of “GSRTC Collection Account” payable at Ahmedabad. Failure to furnish any of the above mentioned would result in rejection of the bid.

2.1.1 Reserve Rights of GSRTC

GSRTC may for any reasons add/ modify /amend/relax/cancel any terms / conditions / criteria of the tender document during any stage of the tendering process and such amendments shall be binding on all the bidders. GSRTC at its own discretions without assigning any reason or incurring any liability to assist in the evaluation a comparison and an examination of bid GSRTC may at its sole discretion ask the bidder for a clarification of its bid including breakdown of unit rates etc. the request received within the prescribed timeframe GSRTC reserves the right to make its own discretion and these changes shall be binding to the bidders.

2.1.2 Pre-bid queries

Bidder shall have to submit the queries related to the RFP on or before 17.02.2018 at 18:00 HRS. Any queries submitted after query submission deadline shall not be entertained. All the queries shall be submitted through an email in pre-defined excel sheet. email id for pre-bid queries submission- edpgsrtc@gmail.com edpmanager@gsrtc.in.



Format of Pre-bid queries submission.

Request for Clarification Format				
Bidder's Request for Clarification				Remarks (if any)
Name of Organization Submitting Request		Name & Position of Person Submitting Request	Full Formal Address of the organization including phone, fax and email points of contact	
S. No	Bidding Document Reference(s) (Section number/page)	Content of RFP requiring Clarification	Points of clarification Required	

2.1.3 Issue of Clarification

GSRTC will publish the clarification / addendum / amendment / corrigendum online at www.nprocure.com.

2.1.4 Due Diligence

The bidder is expected to examine all instruction, forms, terms and specification in the bidding document. The bid must be precise, complete and in the prescribed format as per bidding document or submission of a bid not responsive to the bidding documents in entry respect will be at the bidder's risk and may result in rejection of the bid.

2.1.5 Cost of Bidding

The Bidder shall bear all cost associated with the preparation and submission of its bid. GSRTC will in no case be held responsible or liable for this bidding process.

2.2. Preparation of Bids

2.2.1 Language of bid

The bid prepared by the bidder as well as all correspondence and documents relating to the bid exchange by the bidder and GSRTC shall be written in English language only.



2.2.2 Qualification of the bidder

- ☐ Pre-qualification criteria – bidder has to upload all documents online and submit all supporting documents in a separate envelop along with tender fee and EMD Clearly inscribing “Request for Proposal (RFP) for Networking Solution at Central office, Ranip, GSRTC”
- ☐ The Bidder shall submit self-undertaking stating compliance with technical specifications as well as acceptance of all terms & conditions of this RFP. No exceptions or deviations will be acceptable to GSRTC.
- ☐ In-case the bidder fails to submit the entire relevant documentary evidences; same bid is liable for rejection without assigning any reason thereof.
- ☐ The Bidder shall also include the undertaking from respective OEMs on availability of spare parts and other necessary installations for keeping the whole Networking solution system operational shall be provided and installed by the bidder at Bidder’s cost for 3 years. No payment shall be made for the spares and other necessary installation to be provided and installed for maintaining the whole networking project in operation.
- ☐ The Bidder is one who has submitted the bid response for “Supply, Installation & Commissioning of Networking Solution at GSRTC”. The bidder must be able to provide complete product line of the solution offered.

2.2.3 Bill of Material

Estimated quantities of items for the project are tabulated below.

Bill of Material			
Supply		UOM	QTY
1	Core switch - (As per Technical Specification)	Nos.	1
2	Access Switch Non POE - (As per Technical Specification)	Nos.	11
3	Access Switch POE - (As per Technical Specification)	Nos.	2
4	Multimode SFP Module - (As per Technical Specification)	Nos.	10
5	Indoor Access Point - (As per Technical Specification)	Nos.	12
6	6 Core optical Fiber Armored Multi-Mode OM3 - (As per Technical Specification)	Mtr.	300
7	Unloaded LIU 12 Port - (As per Technical Specification)	Nos.	5

Sign and seal of authorize person of Bidder

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8	ADAPTOR LC Multi-Mode OM3 - (As per Technical Specification)	Nos.	10
9	PIGTAIL LC Multi Mode OM3 - (As per Technical Specification)	Nos.	36
10	Optical Fiber Patch Cords LC-LC OM3 - 3 mtr - (As per Technical Specification)	Nos.	8
11	Cat 6 4 Pair U/UTP Cable - (As per Technical Specification)	Box	40
12	CAT 6 Jack I/O - (As per Technical Specification)	Nos.	252
13	CAT 6 LSZH Patch cord 1mtr - (As per Technical Specification)	Nos.	282
14	CAT 6 LSZH Patch cord 2 Mtr - (As per Technical Specification)	Nos.	272
15	CAT 6 UTP Patch Panel, 24 port Loaded - (As per Technical Specification)	Nos.	13
16	Face Plate - Single/Dual- (As per Technical Specification)	Nos.	252
17	Standard Back box - (As per Technical Specification)	Nos.	252
18	42U Network Rack - (As per Technical Specification)	Nos.	1
19	29 U Network Rack - (As per Technical Specification)	Nos.	4
20	25MM PVC Conduit with accessories - (Standard ISI)	Mtr.	4050
21	32MM HDPE Pipe with accessories - (Standard ISI)	Mtr.	200
22	32MM Flexible Pipe Rain Force - (Standard)	Mtr.	500

Services		UOM	QTY
1	Core switch Installation Charges	Nos.	1
2	Access Switch Non POE & POE Installation Charges	Nos.	13
3	Indoor Access Point Installation Charges	Nos.	12
4	6 Core Optical Fiber Armored Multi-Mode Laying Charges	Mtr.	300
5	Unloaded LIU 12 Port Installation Charges	Nos.	5
6	PIGTAIL LC Multi Mode OM3 Splicing Charges & OTDR Testing	Nos.	36



7	Cat 6 4 Pair U/UTP Cable Laying & Pulling Charges	Mtr.	12200
8	CAT 6 Jack I/O termination with Faceplate & back box installation Charges including Ferruling, Labeling, Node Scanning	Nos.	252
9	CAT 6 UTP Patch Panel, 24 port Loaded Termination Charges	Nos.	13
10	42U Network Rack - Installation Charges	Nos.	1
11	29U Network Rack - Installation Charges	Nos.	4
12	Laying of 25MM PVC Conduit with Accessories Charges	Mtr.	4550
13	Laying of 32MM HDPE Pipe with Accessories Charges	Mtr.	200
14	Project Management Charges & Documentation Charges	LS	1

2.2.4 Financial Bid Evaluation

Commercial bid of the tender will be opened of only those bidders who qualifies in the technical evaluation. The bidder bids lowest rate will be L1 and contract will be awarded to the L1 bidder.

2.2.5 Overview of Evaluation process

All evaluation will be carried out by GSRTC as detailed below. The decision of GSRTC at every stage will be final in this regard.

2.2.6 Preliminary Scrutiny

The technical proposal will be opened on the mentioned date in this Bid Documents at GSRTC's office. The bidder not submitting tender fees & EMD shall be straight away rejected for further tender evaluation.

2.2.7 Evaluation of Technical bids

The Technical Bid will be examined on the basis of eligibility criteria, responsiveness to the evaluation methodology and the scope of work and other details as mentioned herein the document.



2.2.8 Evaluation of Commercial bids

The commercial bids will be opened for the technically qualified bidder only. The bidder who has quoted lowest rate may be awarded the contract.

2.2.9 Final Negotiations & Award of Contract

GSRTC may enter into negotiations with the selected bidder to identify any needed revisions to the proposal, both technical and commercial. GSRTC reserves the right to award the contract, based on initial offers received or otherwise, without discussion and without conducting any further negotiations. Further, the selected bidder may not reassign any award made as the result of this bid, without prior written consent from GSRTC.

2.2.10 Undertaking

An undertaking from the bidder stating the compliance with all the conditions of the contract and technical specifications of this bidding document will be required to GSRTC.

2.2.11 Technical Bid

Technical Bid shall comprise covering letter, technical proposal and other required documents such as brochures, product details etc. Refer annexure I for the technical bid contents and formats. Please note that no price schedule shall be indicated / submitted in / as a part of the technical bid and it shall only be quoted in the online financial bid format only. The technical bid shall be submitted online at <http://www.nprocure.com> and in case bid submitted online will be considered final.

Bidders are requested to note the following:

- ☐ Bidder shall include the details of solution architecture of the integrated solution in the technical bid.
- ☐ Bidder shall include the COMPLIANCE STATEMENT as a separate section in the technical bid.
- ☐ Bidder shall include in a separate sheet the ASSUMPTION & DEVIATION on technical specification, installation & commissioning etc. as a separate section in the technical bid.



- ☐ Bidder shall include make, model and technical specification of each and every equipments in the technical bid.
- ☐ Bidder shall include any additional hardware or software required to make their solution fully functional as per requirement.
- ☐ Bidder must include UNPRICED price bid giving details of Bill of materials and percentage tax applicable on each item.

2.2.12 Financial Bid

The bidder shall strictly adhere to the format of the financial bid as specified in Annexure II of the bid document. The financial bid shall be submitted online only at <https://www.nprocure.com>. The financial bid submitted in any other form and format shall not be considered valid and is liable for rejection.

2.2.13 Bid Price

I. Prices in the price schedule

The Bidder shall quote price in clear terms. Break up shall abide by the format for finance bid described in annexure II. The rates quoted shall be inclusive of GST or any other taxes/cess /duty imposed from time to time. The bidder shall bear the cost of all the taxes applicable. The costs of the all taxes are deemed to be included in the quoted rate in the price bid of the bid.

II. Fixed Price

Prices quoted by the Bidder shall be fixed and no variation will be allowed under any circumstances during the project period. No open ended bid shall be entertained and the same is liable to be rejected straightaway.

III. Separation of price components

The price components furnished by the bidder shall be solely for the purpose of facilitating the comparison of bids by GSRTC and shall not in any way limit GSRTC's right to contract on any of the terms offered.

2.2.14 Earnest Money Deposit (EMD)

a) Requirement of EMD

The bid security is required to protect the GSRTC against the risk of bidder's conduct which shall warrant the security's forfeiture.



b) Refund of EMD to unsuccessful Bidder

Unsuccessful Bidder's EMD shall be refunded within 60 days after the issuing LOI to the successful bidder.

c) Refund of EMD to successful Bidder

The successful Bidder EMD will be refunded against the submission of performance guarantee upon the bidder signing the contract.

d) Forfeiture of EMD

The EMD can be forfeited if a bidder...

- ☐ Withdraws his bid during the period of bid form or does not accept the correction of errors or...
- ☐ In case the successful bidder fails
- ☐ To sign the contract within the specified time or...
- ☐ To furnish performance guarantee within the specified time.

2.2.15 Period of validity of bids

Bids shall valid for 180 days after the date of bid opening prescribed by the GSRTC. The GSRTC holds the rights to reject a bid valid for a period shorter than 180 days as non-responsive, without any correspondence.

2.2.16 Format and signing of bid

a. Number of copies of bid

The bidder shall submit technical bid online at <https://www.nprocure.com> and shall also submit the technical bid in two copies (one original and one duplicate) in physical form in sealed cover separately. In the event of any discrepancy between them, the original bid submitted online shall govern. The bid shall be submitted at the below address:

**EDP Manager,
EDP Cell, Central Office GSRTC,
Central Workshop Compound, Naroda Patia, Ahmedabad – 382 346.**

b. Validation of interlineations in Bid

Any interlineations, erasures, alterations, additions or overwriting shall be valid only if the person or persons signing the bid have authenticated the same with signature.



2.2.17 Sealing and marking of Bids

2.2.17.1 Enclosing of Bides

The hard copy of the all the technical bids along with brochures / specification / other documents shall be placed in sealed envelopes clearly marking “Technical Bid”. The Bidder shall submit the Technical bid, tender fees and EMD, sealed in separate covers, shall be placed in one bid cover clearly marked as “Supply, Installation& Commissioning of Networking Solution at GSRTC” All the pages shall be signed and stamped by the authorized signatory of the bidder, except published materials such as brochures, product catalogues etc.,

2.2.17.2 Responsibility of Bidder

If the envelope is not lacquer sealed and marked as required, GSRTC will assume no responsibility for the bid’s misplacement or premature opening.

2.2.17.3 Rejection of Bid

Any condition put forth by the bidder non-conforming the bid requirements shall not be entertained at all and such bid shall be rejected. The Technical Bid and the commercial document shall be submitted in the prescribed format. The commercial bid shall be uploaded online only through <https://www.nprocure.com> along with physical submission of technical & pre-qualifications documents only. Commercial bids submitted in any other form and format shall be rejected Commercial bids submitted physically shall be liable for rejection. All the necessary documents required for the bid submission should be strictly uploaded on www.nprocure.com No documents/papers that is found wanting as a part of bid submission/evolution shall be accepted after the bid submission closing time. If any required document is missing as a part of bid submission then that bid may be liable for rejection. Bids submitted by Telex, fax or email will not be entertained. Any bid not authenticated or not secured, will be rejected straightway by GSRTC without any further correspondence, as non responsive. A bid that does not meet all pre-qualification criteria or is not responsive or not fulfilling technical evaluation will be rejected by GSRTC, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation by the bidder.



2.2.18 Modification and withdrawal of bids

2.2.18.1 Written Notice

The bidder may modify or withdraw its bid after the bid's submission, provided that GSRTC receives the written notice of the modification or withdrawal, before the expiration of deadline stipulated for submission of bids.

2.2.18.2 Signing and marking of Notice

The bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of tender. A duly signed withdrawal notice may also be sent by fax or post so as to reach the designated office before the expiration of deadline for submission of bids.

2.2.18.3 Last Date for Notice

No bid shall be modified subsequent to the deadline for submission of bids. No bid shall be withdrawn in the interval between the deadline for submission of bids and the expiration of period of bid validity specified by the bidder on the bid form. Withdrawal of a bid during this interval shall result in forfeiture of the bid security paid by the bidder.

2.2.19 Deadline for submission of bids

As mentioned

2.2.19.1 Last date for submission

In the event of the specified date for the submission of bids being declared a holiday for the GSRTC, the bids will be received up to the approved time on the next working day.

2.2.19.2 Extension for last date for submission

GSRTC may at own discretion; extend this deadline for submission of bids by amending the bid document, in which case all rights and obligations of the GSRTC and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

2.2.20 Late bids

Any bid received by the GSRTC after the deadline for submission of bids stipulated by the GSRTC shall be summarily rejected and returned unopened to the bidder. GSRTC shall not be responsible for any postal delay or non-receipt / non-delivery of the document. No correspondence for this shall be entertained.



2.2.21 Opening of Bids

2.2.21.1 Opening of technical and commercial Bids

GSRTC will open all technical bids at GSRTC's office in the presence of GSRTC officials along with bidder's representatives as per date mentioned in the tender document. Commercial bids will be opened at GSRTC's office in presence of GSRTC officials along with technically qualified successful bidder's representative as per date mentioned in the tender document.

2.2.21.2 Bids not considered for evaluation

Bids that are rejected during the preliminary / pre-qualification / technical evaluation process shall not be considered for further evaluation irrespective of the circumstances.

2.2.22 Preliminary Examination

2.2.22.1 Completeness of Bids

All the necessary documents required for the bid submission should be strictly compiled. No documents that are found essential as a part of bid submission/evaluation shall be accepted after the bid submission closing time. If any required document is missing as a part of bid submission, then that bid may be liable for rejection straightaway.

2.2.22.2 Rectification of Errors

Arithmetical error will be rectified on the following basis:

- ☐ If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
- ☐ If there is a discrepancy between the rates in words and figures, the rate in words will be govern. If the supplier does not accept the correction of errors, his bid will be rejected and his EMD may be forfeited.



2.3 Warranty and Support service for 3 years

It is mandatory for the bidder to quote for the bid including 3 years warranty support service. Bidders shall very clearly indicate their warranty period in years as part of the technical proposal. The bidder shall do and perform maintenance whenever complain raise by GSRTC. Support service shall be comprehensive (manpower & spare-parts etc.) in nature, it shall be responsibility of the bidder to replace any defective part without any additional cost. The defective part so replaced shall be the property of the bidder. Bidder shall keep enough spares with them during warranty.

Total support period required – 3 years

Maintenance Support Service

The bidder is expected to transfer the knowledge to the GSRTC officials nominated Technical Term but however shall commit one dedicated technical person as overall support for the entire contract period. At GSRTC's option, the vendor shall provide ongoing maintenance support and / or further system development services for the entire system over three years period or any period as agreed.

The bidder should submit valid letter from all the OEMs confirming the following:

- ☐ **Authorization to bid against this tender issued in the name of bidder**
- ☐ **Confirm that the products quoted are not “End of life Products”**
- ☐ **Undertake that the support including spares, patches for the quoted products and /or upgraded version shall be available for next 5 years.**

2.4 Project schedule

The vendor shall complete and implement the project within **40 days** from the date of award of contract. The implementation schedule specified in the agreement shall be strictly adhered to. If anything delays from GSRTC end, will be exempted from penalty.

2.5 Project Management

Successful bidder shall nominate one technically competent person as project manager who will be single point of contact from the service provider end during the total contract period of 3 years.



2.6 Notification of Award

2.6.1 Notification to Bidder

The bidder whose bid has been accepted shall be notified of the award by GSRTC prior to the expiration of the period of validity of the proposal by registered letter / E-mail / Fax. This letter (hereinafter called the “Letter of Intent”) shall state the sum that GSRTC shall pay the bidder in consideration of the execution, completion maintenance of the work as prescribed by the contract (hereinafter called the “Contract Value”) in accordance with Payment Terms. The bidder shall acknowledge in writing the receipt of the Letter of Intent and shall send his acceptance to enter into the contract within (5) clear working days from the receipt of the Letter of Intent.

2.6.2 Signing of agreement

The agreement shall be signed on all the pages by the person(s) duly authorized to bind the bidder to the contract. After the signing of agreement the bidder shall initiate the execution of the work as stipulated and specified in the agreement.

2.6.3 Expenses for the agreement

The incidental expenses of execution of agreement / contract shall be borne by the successful bidder.

2.7 Performance Guarantee

Within 15 working days of the receipt of intimation of award from the GSRTC, the successful bidder shall furnish the performance guarantee of **10% of the total contract value**, in accordance with the conditions of contract in the form of Bank Guarantee / Banker’s Cheque from a nationalized bank drawn **in favor of “GSRTC Collection Account”** payable at **Ahmadabad**. The EMD submitted earlier by the successful bidder shall be refunded against the submission of performance guarantee and such performance and such performance guarantee shall be retained by GSRTC during contract execution period and would be refunded on successful execution and handing over of the project. **Performance Guarantee shall be returned to the bidder after completion of total 3 (Three) years warranty period. The Performance Guarantee / Security Deposit must be having validity of 3 months of claim period after completion of the contract) from the date of submission.**



2.8 Annulment of Award

Failure of the successful bidder to comply with pre-qualification criteria, evaluation criteria and other terms and conditions set out in the Tender document shall constitute sufficient ground for the annulment of the award of contract and ***forfeiture of the Security Deposit / Performance guarantee*** in which event GSRTC, may make the award to the next lowest evaluated bidder after negotiations.

2.9 Payment terms, Schedule of payment

The Bidder's request for payment shall be made to the GSRTC in writing accompanied by the details of work executed, supported with evidence of accomplishment of the item wise work.

Milestone	Payment	Cumulative Payment
On delivery of hardware at all site and its verification and acceptance by GSRTC	70%	70%
On successful completion of supply, installation, commissioning & maintenance Networking solution system running for 30 days without failure and supply of all manuals and software, completion of training	30%	100%

2.11 TAXES & DUTIES

- ☐ The bidder shall bear and pay all taxes, duties, levies, cess and charges assessed on the bidder, its subcontractor or their employees by all municipal, state or national government authority in connection with the contract in and outside of the country where the site is located and no adjustment or variation will be allowed for changes thereof.
- ☐ If there is changes in taxes rates / application of new tax on direct transaction between GSRTC and bidder, such increase shall be reimbursed by GSRTC or in case of reduction, such benefit shall be passed on to GSRTC.
- ☐ For the purpose of the contract it is agreed that the contract price specified in letter of acceptance / purchase order / contract Agreement is based on the taxes, duties, levies and charges prevailing on the date of bid submission in India and Gujarat where the site is located (Unless otherwise revised by mutual consent).
- ☐ All taxes and duties forming part of the contract price shall be paid by the GSRTC only on submission of documentary proof of payment of such taxes.



- ☐ Each party hereto agrees to indemnify and keep indemnified and saved harmless at all times the other party against any loss , cost, expenses or damage suffered or incurred by it, by reason of its failure to pay taxes, duties etc. Which it is obliged to pay pursuant to the provision of this clause and / or arising out of its failure to comply with its obligations under this clause.
- ☐ Tax deductions at source will be made by the GSRTC on payments made to the bidder as per the applicable central and state laws.
- ☐ Form –C shall not be issued by the GSRTC.
- ☐ All payments to the bidder shall be subject to applicable withholding (whether applicable as of the date of this contract imposed / required by any municipal, local, state or national government authorities or any other Government Instrumentality at any time during the subsistence of the contract) or statutory deduction as required in respect of income tax as well as any other Taxes (Including but not limited to building and other construction worker's welfare cess). The GSRTC shall issue necessary tax deduction / withholding certificates to the bidder. If the bidder obtains appropriate lower withholding orders (as per GSRTC's satisfaction) withholding may be carried out at such lower rates.
- ☐ The risk of all tax positions taken by bidder shall be borne solely by the Bidder.

2.12 Liquidated damages

- 1) The bidder acknowledges that time is the essence of the contract and in case of any delay in completion of the project the said delay shall cause substantial damages to owner. The bidder here by agrees without prejudice to any other right or remedy available to the owner under the contract to pay liquidated damages at rates mentioned herein.

Bidder and owner agrees that the amount fixed as liquidated damages herein are reasonable and are a genuine pre-estimate of the minimum loss and damages that the owner would suffer due to due to delay in completion and the bidder shall not question the rate off liquidate damages in court of law or rise any question otherwise.

Bidder guarantees that it will complete the project within the time specified in clause 21 or within such extended time as specified by the owner. Failure to achieve completion of the project as per time schedule shall lead to application of liquidated damages @ 0.5% of the total contract price per week or part there of subject to a maximum 10% of the total contract price. Once the maximum is reached, the owner shall have right to terminate the contract, pursuant to clause 35 without prejudice to its rights for claiming further general



damages under the law. However the payment of liquidated damages shall not in any way relieve the contractor from any of its obligations, duties and responsibilities to complete facilities or from any other obligations and liabilities of the contractor under the contract.

2) No bonus will be given for earlier completion of the project.

In addition to this we should also ensure that for delay in services / unsatisfactory services during Maintenance period there is LD as per Service Level Agreement (SLA)

2.13 Service Level Agreement

The successful bidder has to maintain the service response time during entire contract period. The services response time & subsequent liquidated damages (agreed to be genuine pre- estimate of loss) applicable (in case of failure of maintaining the service response time) is as mentioned below:

- ☐ The Maximum Time To Attend (i.e. time required for successful bidder's maintenance engineer to report at the after a request call / e-mail / fax is made or letter is written by GSRTC) shall not exceed 24 hours.
- ☐ The Maximum Time To Repair (replacement Time): In case of failure of any hardware the successful bidder will be liable to replace the damaged / faulty parts within 2 working days after fault detection. In case of shipment of hardware to OEM service center for repair / replacement purpose, the total period taken from dismantling of hardware from site, shipment OEM service center & reinstallation of the repaired / replaced hardware at site should not exceed 7 working days.
- ☐ The successful bidder has to maintain the service response time during entire contract period. The service response time & subsequent liquidated damages (agreed to be genuine pre-estimate of losses) applicable (in case of failure of maintaining the service response time) is as mentioned below:

Description	Time period beyond the MTTA / MTTR	Liquidated Damages
Response	Up to 1 Day	Rs. 1,000/-
	From 2 days to 4 days	Rs. 2,000/-
	From 4 days to 10 days	Rs.5,000/-
	More than 10 days	Rs. 5,000/- for first 10 days and Rs. 2,000/- per day there after



2.14 Additional Work

In case there is an increase in the number of location / quantity of materials during the course of the implementation / post implementation the bidder shall be given the additional work on a pro-rata basis depending on the quoted rate. The quoted rates of all terms will be valid for period of 365 days from the date of LOI/ PO issued by GSRTC to the successful bidder.

2.15 Modification of scope of work

In case of modification of scope of work GSRTC shall be liable to pay higher or lower than the contract price as is mutually decided between GSRTC and the Bidder at the time of modification.

2.16 Suspension

GSRTC may by written notice to the successful bidder, suspend all payments if the bidder fails to perform any of its obligations under this contract including carrying out of the services provided that such notice of suspension

- (a) Shall specify the nature of failure
- (b) Shall request the bidder to remedy such failure within a period not exceeding 30 (thirty) days after receipt of such notice of failure.

2.17 Termination of Contract

2.17.1 Termination for Default

The GSRTC shall without prejudice, to any other remedy for breach of contract by written notice of default sent to the qualified Bidder, terminated the contract in whole or in part if

- ☐ The qualified bidder fails to deliver any or all of the obligations within the time period(s) Specified in the contract or any extension thereof granted by the GSRTC.
- ☐ The qualified bidder fails to perform any other obligation under the contract.

2.17.2 Termination for Insolvency, Dissolution etc.

GSRTC shall at any time terminate the contract by giving written notice to the qualified Bidder without compensation to the qualified Bidder, if the qualified Bidder becomes bankrupt or otherwise insolvent or in case of dissolution of firm or winding up of company, provided that such termination shall not prejudice or effect any right or action or remedy which has accrued



thereafter to the GSRTC.

- ☐ **Termination for Convenience:** GSRTC reserves the right to terminate by prior written notice, the whole or part of the contract without compensation to the bidder. The notice of termination shall specify that termination be for GSRTC's convenience, the extent to which performance of work under the contract is terminated and the date on which such termination becomes effective.
- ☐ **No Claim Certificate:** The qualified Bidder shall not be entitled to make any claim, whatsoever, against GSRTC under or by virtue of or arising out of this contract nor shall the GSRTC entertain or consider any such claim after Bidder shall have signed a "no claim" certificate in favor of the GSRTC in such forms as shall be required by the GSRTC after the works are finally accepted.

2.18 Rights to Data

GSRTC shall retain all right, title and interest in and to any and all data, entered or generated by the Selected Vendor for GSRTC pursuant to this agreement and any modifications thereto or works derived there from.

2.19 Relationship between the Parties

Nothing mentioned herein shall be constructed as relationship of GSRTC and contract or of principal and agent as between GSRTC and Bidder. The subject to this contract has complete charge of personal, if any, performing the services under this Project from time to time. The Bidder shall be fully responsible for the services performed by or on their behalf hereunder.

2.20 Standards of Performance

The party awarded with the contract shall perform the services and carry out their obligations under the Contract with due diligence, efficiency and economy in accordance with generally accepted professional standards and practices. The party shall always act in respect of any matter relating to this contract as faithful advisor to GSRTC and shall always support and

Safeguard the legitimate interests of GSRTC, in any dealings with the third party. The awarded party shall abide by all the provisions / Acts/ Rules etc. of compliance prevalent in the country. The bidder shall conform to the standards laid down in Bid Document in totality.



2.21 Delivery and Documents

The Bidder shall submit all the deliverables on the date as per schedule. In case of termination of the Contract, the entire document used by Bidder in the execution of project shall become property of GSRTC.

2.22 Confidentiality

The Selected Vendor and its personal shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or the GSRTC's business or operations without the prior written consent of GSRTC.

2.23 Government Law, jurisdiction and Arbitration

The contract shall be governed in accordance with the laws of India. Any dispute between the parties arising out of the Contract shall be referred for determination by arbitration as prescribed in the Arbitration & Conciliation Act, 1996 as amended from time to time. The Arbitration Tribunal shall consist of a Sole Arbitration to be appointed by GSRTC. The arbitration, Gujarat. Subject to the arbitration agreement as mentioned above, the Parties submit to exclusive jurisdiction of courts at Ahmedabad in relation to any matter arising out of this agreement.

2.24 Notice

Any notice request or consent required or permitted to be given or made pursuant to this contract shall be in writing.

2.25 Miscellaneous

- ☐ All intermediate products and end product of the work assignment carried out by the Bidder, in any form, will be the sole property of GSRTC.
- ☐ In the event the Bidder Company or the concerned Division of the company is taken over / bought over by another company, all the obligations under the agreement with GSRTC, should be passed on the compliance by the new company new division in the negotiation for their transfer.
- ☐ Bidder has to submit the certificate to that Company's Director / Individual is not related to any Employees working in the GSRTC.



2.26 Force Majeure

Force Majeure means such of the following factors which substantially affect the performance of the contract, such as: natural phenomena, including but not limited to floods, draughts, earthquakes and Epidemics; acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, quarantines, embargoes; illegal strikes and legal lockouts in respect of PA scope of work provided;

Either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such causes. The Bidder shall not be liable for delays in performing their obligations resulting from any Force Majeure cause as referred to and/ or defined above.

However if such an event lasts for a period of 90 days or then either party shall have an option to terminate this Agreement forthwith without any liability after intimating the other party the same. Bidder shall however be entitled to receive payments for all the services rendered by it under this Agreement prior to termination of contract.

2.27 Inspection

The Bidder shall:

- ☐ Facilitate the GSRTC officials or its nominated official / nominated third party / delegated authority to inspect, supervise assess including without limitation to Revenue Authorities and Certifying Authorities the system installed at the permission and other arrangements to ensure the effectiveness after giving prior notice of 7 days in writing or by way of surprise check if any malfunctioning or deficient operations is reported and GSRTC officials or its nominated official / nominated third party / delegated authority is of opinion to conduct such surprise checks to ensure the consistency of performance or any other aspect of the services under the contract.
- ☐ Facilitate and provide all assistance to GSRTC officials or its nominated official / nominated third party / delegated authority.
- ☐ Allow at bidder's cost and facilitate examination by officials or its nominated official / nominated third party / delegated authority pertaining to the system at intervals as mutually decided between GSRTC and the Bidder.



In pursuit (pursuance) of this policy GSRTC,

- I. Defines for the purpose of this provision the terms set forth as follows:
 - a) “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of GSRTC, official by any personal of consortium in procurement process or in contract execution.
 - b) “Fraudulent practice” means a misrepresentation of facts, in order to influence a procurement process or the execution of a contract, to the detriment of GSRTC, and includes collusive practices among the bidders (prior to or after Proposal submission) designed to establish bids at artificially high or non-competitive levels and to deprive the GSRTC, of the benefits of free and open competition.
 - c) “Unfair trade practices” means supply of services different from what is order on.
 - d) “Coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of contract.
- II. GSRTC will reject a proposal for award, if it determines that the bidder recommended for award has engaged in corrupt, fraudulent, unfair trade practices or coercive practices.
- III. GSRTC shall declare a firm ineligible, either indefinitely or for a stated period of time, for awarding the contract, if it any time determines that the firm has engaged in corrupt, fraudulent, unfair trade and coercive practices in competing for, or in executing, the contact.

2.29 Negotiation

It is absolutely essential for the bidders to quote the lowest price at the time of making offer in their own interest. GSRTC, however, shall have the discretion to choose to enter into any price negotiations or not.

2.30 Award of Contract

GSRTC reserves the right to accept or reject any bid, to award entire or a part of tender items, and to annul the bidding process and reject all bids at any time before the contract award, without thereby incurring any liability to the affected Bidder or Bidders.

2.31 Contract Details

Sign and seal of authorize person of Bidder



All inquiries concerning this procurement shall to be addressed to the following:

**EDP Manager,
EDP Cell, Central Office GSRTC,
Central Workshop Compound, Naroda Patia, Ahmedabad – 382346
Email: edpmanager@gsrtc.in, edpgsrtc@gmail.com**

Prospective Bidders are specifically directed NOT to contact any other person apart from the one mentioned above in this Bid Document for meetings, conferences or technical discussions that are related to the Bid Document. Unauthorized contract shall be cause for immediate rejection of the Bidder's Bid Document response. Substantive questions shall be dealt with in writing.

2.32 Insurance

I. General

The bidder shall at his own expense arrange, secure and maintain with reputable insurance companies to the satisfaction of the Owner as follows. The bidder at his cost shall arrange, secure and, maintain insurance as may be necessary and to its full value for all such amounts to protect the works progress from time to time and the interest of the Owner against all risks as detailed herein. The form and other limit of such insurance, as defined herein together with the under works thereof in each case shall be acceptable to the Owner. However irrespective of acceptance of the works, the responsibility to maintain adequate insurance coverage at all times **during the period of contract (i.e. till the date of the commissioning & acceptance by the customer).**

However, it is the responsibility of the customer to provide adequate security to the onsite materials once delivered by the contractor at the respective sites. The Bidder's failure in this regard shall not relieve of any of his responsibility and obligations under this contract. All costs on account of insurance liabilities covered under contract shall be Bidder's account and shall be included in the contract price.



The bidder shall be liable to adhere strictly all rules & regulations related to employees/ labor laws such as Provident Fund, Employees State Insurance, and Professional Tax etc.

III. Any other insurance

The bidder shall also carry any and all other insurance, which he may be required under any law or regulation from time to time without any extra cost of GSRTC.

IV. Accident or injury to workmen

GSRTC shall not be liable for or in respect of any damages or compensation payable law in respect or in consequences of any accident or injury to any workmen or other person in the employment of the Bidder or Technology Partner or any Sub-bidder or Technology Partner

V. Transit Insurance

In respect of all items are to be transported by the Bidder to the site of work, the cost transit insurance shall be borne by the Bidder and quoted price shall be inclusive of this cost.

2.33 Third party inspection

The prime applicant shall facilitate at its own cost, GSRTC or its nominated / delegated authority to inspect, supervise, and assess all the equipment installed at the premises and other infrastructure arrangements.

2.34 Evaluation Methodology

GSRTC will evaluate and compare the bids determined to be substantially responsive. It is GSRTC's intent to select the tender that is most advantageous to GSRTC.

Technical bid Qualification criteria: Bidders shall comply with all the technical criteria mentioned in Annexure-I. The Compliance shall be clear stated as YES or NO. Any other statement will be considered as misleading and bidder will be straight way disqualified.



3.1. THE SITE:

The proposed location is located at RANIP CENTRAL OFFICE, Near Ranip Bus Port, Ahmedabad.

3.2. THE SCOPE:

1. The scope for the Networking solution system, bidder has to supply, installation, testing and commissioning of the Networking Solution / system as mentioned in Bill of Material and related accessories. Bill of material has been prepared as per the current requirements. In future network may expand. Therefore scope of cabling expansion for the same should be considered and conduiting should be done accordingly. So expansion can be implemented without new piping/ conduiting/ trenching. The scope includes all the minor civil work if required to complete the work, weather it is mentioned or not mentioned in the BOQ. The GSRTC will approve that installation work of the bidder and if there are any comments on the installation, the bidder has to rectify it immediately as required by the GSRTC, without any extra charges.
2. The rates of items shall be including of all charges like Transportation, Loading, Unloading, Insurance, Packing, Forwarding, etc. all inclusive charges what so ever, weather it is mentioned in the BOQ or not. No extra charges will be paid to the bidder for any item in this matter.
3. The rates of items shall be excluding taxes. Taxes will be as applicable.
4. Bidder who is awarded the work should visit the site immediately within fifteen days of the LOI and survey all the site in accordance with the scope of work to be carried out and if he found any discrepancy in the BOQ and at site, if there is any requirement of extra items or major excess in the quantity, he should immediately brought in the notice of GSRTC officials so that the GSRTC can take necessary action in time, otherwise the bidder will not get any extra payment or time limit for such items. However if GSRTC authority suggest any work which is not included in the tender and to be executed as an extra item / excess item, agency has to carry out the work as per tender terms and conditions and agency cannot deny to execute the same.
5. The contractor should submit his final design for the approval as per his make specifications which he is going to be use at site along with the final estimated quantity to be required, especially all numbered quantity. Bidder can start his ordering and installation only after this approval from GSRTC.



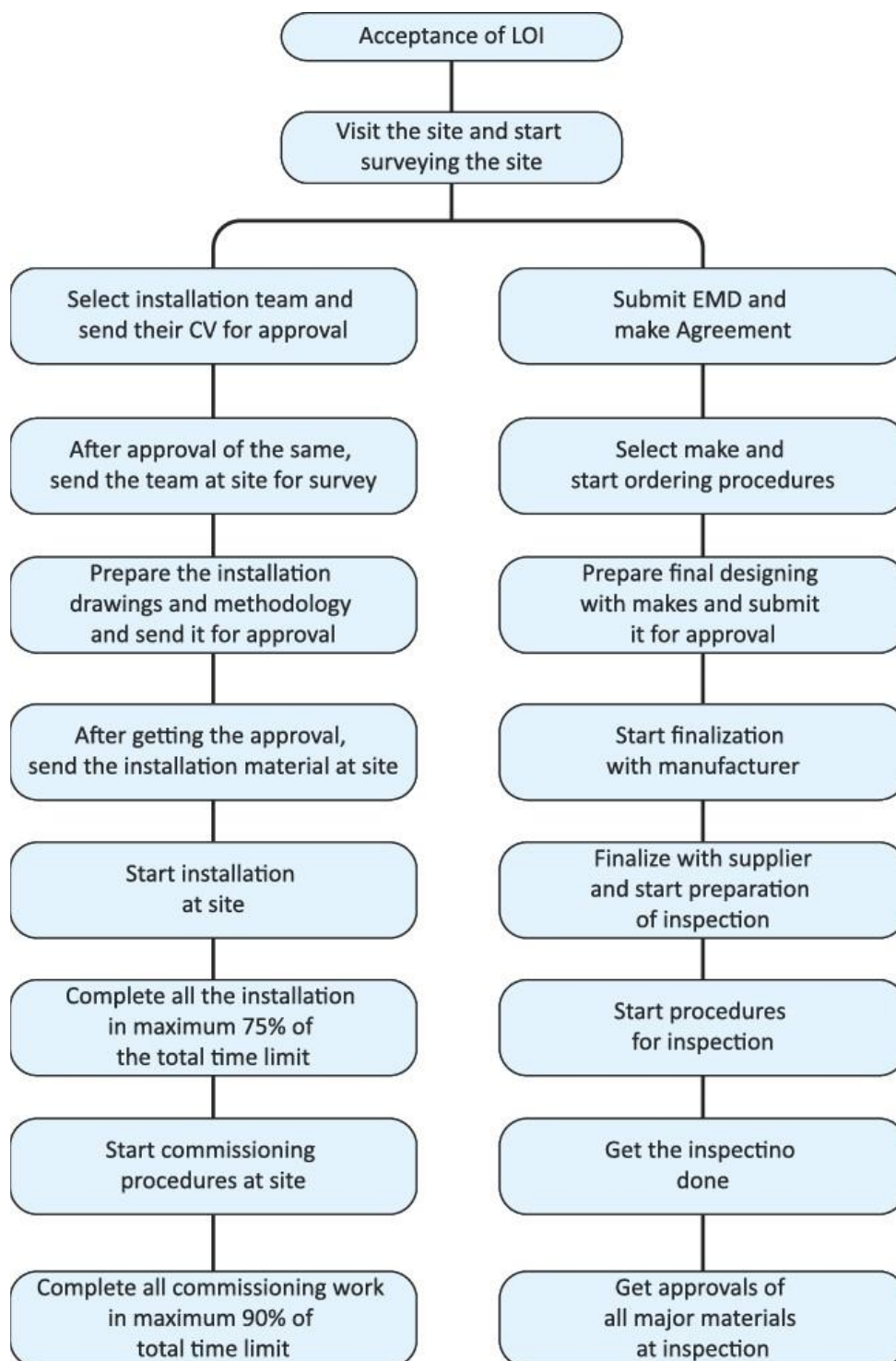
6. The final responsibilities for all the work and civil work related to Networking solution and electrical work are lies with the bidder and if he found any improper work and if because of that if he envisaged any problems in the installation work later on which affect the installation, he should immediately inform and brought to the notice of GSRTC.
7. The bidder has to carry out the installation work as per the bills of quantities and the specifications enclosed herewith. Deviations in specifications and in the approved make will not be acceptable at all in any case.
8. The bidder has to get the approval from GSRTC before placing the order of any equipment so the make and the quality is to be approved within the time frame.
9. Bidder has to get approvals of drawings by GSRTC and client sites only after dispatch clearance is given by the consultant and client. Necessary storage space for materials at various sites shall be provided by the client prior to starting installation .The material shall be received at client sites only after dispatch clearance. The client shall acknowledge receipt of various materials dispatched by the bidder from time to time.
10. If the bidder wants to refer any drawing he can contact the client and the consultant as the drawings are confidential matter.
11. The time is critical for the contract. It is compulsory for the bidder to complete all his installation work within 4 months failing to which the bidder will be panelized as per the penalty clause.

3.3. THE ADDITIONAL RESPONSIBILITY PRE QUALIFICATION SITE VISITS

If GSRTC wants to verify the projects personally for which bidder claims under experience in technical bid, all the arrangements and expenses shall be bared by the contractor for the site visit. If he fails to do so, Bidder is liable for rejection in the technical bid.



3.4. INSTALLATION METHOD





3.5. INSPECTION& FINAL ACCEPTANCE

- a. Inspection of networking solution shall be organized by contractor at GSRTC officials and will be the part of the same as inspecting agency.
- b. Final Acceptance will be given by the authority after successful completion of the project. Support service period will begin from the day of final acceptance awarded by GSRTC nominated authority.
- c. The contractor has to prove all the specification mentioned in the tender for active and passive with the data sheets/catalogues.
- d. The contractor has to show all the minor materials specifications at site along with the data sheets and prove that the specifications of the equipment offered by him is exactly matching with all the specifications mentioned in the tender document and as raised by the inspection authority.
- e. The contractor has to show the detail installation procedures and guidelines to be followed at site by the installation agency by proper method and with the proper tools and tackles. Bidder has to submit the standard installation and testing procedures of all the equipment offered.

3.6. CONFIRMATION FROM SUPPLIER

The contractor has to provide the following written confirmation from the manufacturer.

1. Authorization letter from Manufacturers on the name of Bidder particularly for this work. Tender number should be clearly mentioned in the MAF Letter.
2. Maximum delivery period for the equipment to supply at site duly signed by the contractor for the confirmation of the timely order to the manufacturer from his side.
3. All the parts and technical services will be available for his materials installed at site for the period of at least five years.



4. If the material is found faulty during the defect liability period he will replace the same within 48 hours. If supplier is denying for the same, the contractor has to give the conformation to keep the required spare material immediately replace the faulty material at site.
5. All manufactures have to submit their written confirmation of his equipment to be use with equipment without any problem and they have no objection using that equipment with make equipment, which is going to be used at site by the contractor.
6. Written confirmation for submitting the report for satisfactory installation and stability report of his product/system.

3.7. THE TRAINING

The contractor shall also provide training to the end user about entire working of the system. The contractor has to appoint proper training staff after the commissioning and configuration of the project. The training may be given in two hour or three batches where the detailed training for the system and its working procedures, precautions considered to handle the system, operation, maintenance, service etc. has to be explained.

The contractor also has to prepare the proper user-friendly training manual for all the training staff who is taking the training with proper user-friendly language with proper screen shots and pictures to explain the working and methodology of the system, in local language also.

3.8. CONFIDENTIAL POLICY

The contractor has to follow all the rules and regulations of the guidelines and has to follow strictly to all the rules and privacy. Some of the guidelines are as follows, however it is not limiting to the same. Contractor has to contact the GSRTC authority and get all the guidelines to carry out the work in the GSRTC premises.



1. All the drawing and paper works are very confidential property of GSRTC authority. Contractor has to submit the privacy agreement with the client in their format. All the responsibility lies with the contractor of the privacy of the documents handed over to him for execution.
2. The staff of the contractor should not invoice with any activity related to GSRTC or the prisons. If there is any such incident occurs in the GSRTC due to this, the entire responsibility lies with the contractor only.
3. The staffs of the contractor has to pay extra attention or care to handle any equipment's, tools or tackles, big amount cash, mobile, match sticks, lighter, ladder, cable, etc., which can be snatched by any prison and which can be used by the prison to escape from the GSRTC or to stab the other person In the GSRTC or to do suicide attempt by him. No such equipment's are allowed inside the GSRTC BUS DEPOTS without the permission of the GSRTC authority. In the case of any eventuality occurs, it is entirely contractor's responsibility and be held responsible for the same.
4. No activity is allowed in the GSRTC by any staff of the contractor that affects to the GSRTC security and peace.

3.9. Warranty

Warranty period shall be 3 years from the date of completion and handing over the entire project. During the warrantee period the contractor shall be responsible for repairing/replacement of faulty item without any cost to the GSRTC. In case of arbitration or force majeure prevails and warranty voids, contractor has to bear the cost of executing the insurance policy.



ANNEXURE-I TECHNICAL SPECIFICATION

Core Switch		Compliance Yes/No	Remarks (If any)
Sr.No	Generic Requirements		
	Generic Requirements		
1	Switch should be 1RU with minimum 12 no. of 1 Gig SFP ports and upgradable to additional 2 nos. of 10 Gig SFP+ ports.		
2	Switch should supplied with 10 nos. of MM transceiver module		
3	Switch should have minimum 480 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 4 switches in a single stack.		
4	Switching system shall have minimum 68 Gbps of switching fabric and minimum 50.5 Mpps of forwarding rate.		
5	Switch should have 4 GB RAM and 2 GB Flash		
6	Switch should have hot swappable 1:1 redundant internal power supply.		
7	Power supply, fan modules and interface modules should be hot swappable.		
8	Switching system shall have minimum 32K MAC Addresses and 1K active Vlan.		
9	Switch should support minimum 2K ACLs, 4K Multicast and 8K Unicast Routes for IPv4 and IPv6.		
10	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.		
11	Should have static routing, OSPF, OSPFv3, BGP, HSRP for IPv6/VRRPv3, VRF (Virtual routing and forwarding), IGMP v1/v2/v3 and PIM multicast routing.		
12	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queue.		
13	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .		
14	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.		
15	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.		
16	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.		
17	Switch shall support application visibility and traffic monitoring with minimum 24 K netFlow/sflow/jflow entries.		



18	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.		
19	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.		
20	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.		
21	Switch should be IPv6 Certified/IPv6 logo ready.		
22	OEM should be "Leader" in published Gartner Magic Quadrant for last 3 years i.e. 2015, 2016, 2017		

Access Network Switch		Compliance Yes/No	Remarks (If any)
Sr.No	Generic Requirements		
	Generic Requirements		
1	Switch should be 1RU with minimum 24 nos. 10/100/1000 Base-T ports and additional 4 nos. SFP uplinks ports.		
2	Switch should have slot/ports(excluding uplinks) for minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack. Stacking functionality not required from Day1.		
3	Switch should support external/internal power supply.		
4	Switch shall have minimum 88 Gbps of switching fabric and 65 Mpps of forwarding rate.		
5	Shall have minimum 12 K MAC Addresses and 250 active VLANs.		
6	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.		
7	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.		
8	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+.		
9	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.		
10	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.		
11	Switch must have support for L3 functionality like static routing, RIP, PIM, OSPF and PBR from Day1		
12	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.		
13	Switch shall support application visibility and traffic monitoring with minimum 12 K net Flow/s flow/j flow entries.		



14	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.		
15	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.		
16	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.		
17	Switch should be IPv6 Certified/IPv6 logo ready.		
18	OEM should be "Leader" in published Gartner Magic Quadrant for last 3 years i.e. 2015, 2016, 2017		

Access Switch - 24 Port (PoE)		Compliance Yes/No	Remarks (If any)
Sr.No	Generic Requirements		
1	Switch should be 1RU with minimum 24 nos. 10/100/1000 Base-T ports with PoE+ capability and minimum 370W of PoE Power and additional 4 nos. SFP uplinks ports.		
2	Switch should have slot/ports(excluding uplinks) for minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack. Stacking functionality not required from Day1		
3	Switch should support external/internal power supply.		
4	Switch shall have minimum 88 Gbps of switching fabric and 65 Mpps of forwarding rate.		
5	Shall have minimum 12 K MAC Addresses and 250 active Vlans.		
6	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.		
7	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.		
8	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .		
9	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.		
10	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.		
11	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.		
12	Switch shall support application visibility and traffic monitoring with minimum 12 K netFlow/sflow/jflow entries.		



13	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.		
14	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.		
15	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.		
16	Switch should be IPv6 Certified/IPv6 logo ready.		
17	OEM should be "Leader" in published Gartner Magic Quadrant for last 3 years i.e. 2015, 2016, 2017		

42U Network Rack			
Sr.no	Specification	Compliance Yes/No	Remarks (If any)
1	600W*1000D Network rack 42U		
2	Basic frame: Frame of sturdy frame section construction, consisting of 9 x folded rolled hollow frame section punched in 25mm DIN pitch pattern. All profile edges are radiused. The corners are stiffened with welded zinc die-cast corner connectors, Front and rear perforated door. Top cover with cable entry and Bottom open. 42 U 19" L type angle Front & Rear on 6 x punched section. Color RAL 9005 or RAL 7035		
3	Painting/ Coating : Primary Dip Coat = 20-30 Microns Power Coat = 80-120 Microns, ISO 9001, EN ISO 14001 and OHSAS 18001 approvals required for manufacturing facility		
4	Top mounted FAN (Set of 4)		
5	5 /15A, 10 Socket PDU with MCB		
6	Castors with brake and without brake (2+2)		
7	Component Shelf (1 nos.)		
8	2 side panels Screw fitted		
9	Key lock, locking system		
10	Captive Hardware (Pack of 20)		

29U Network Rack			
Sr.no	Specification	Compliance Yes/No	Remarks (If any)
1	600W*600D Network rack 29U		
2	Basic frame: Frame of sturdy frame section construction, consisting of 9 x folded rolled hollow frame section punched in 25mm DIN pitch pattern. All profile edges are radiused. The corners are stiffened with welded zinc die-cast corner connectors, Front and rear perforated door. Top cover with cable entry and Bottom open. 29 U 19" L type angle Front & Rear on 6 x punched section. Color RAL 9005 or RAL 7035		



3	Painting/ Coating : Primary Dip Coat = 20-30 Microns Power Coat = 80-120 Microns, ISO 9001, EN ISO 14001 and OHSAS 18001 approvals required for manufacturing facility		
4	Top mounted FAN (Set of 4)		
5	5 /15A, 10 Socket PDU with MCB		
6	Castors with brake and without brake (2+2)		
7	Component Shelf (1 nos.)		
8	2 side panels Screw fitted		
9	Key lock, locking system		
10	Captive Hardware (Pack of 20)		

6 core optical Fiber Armored Multi-Mode OM3				
Sr.no	Feature	Specification	Compliance Yes/No	Remarks (If any)
1	Cable Type	Optical fibers in water blocked loose tube, taped, corrugated steel tape armored (STA) polyethylene (HDPE) outer sheathed embedded with two steel wires on the periphery. The cables are with UV Stabilized PE Jacket and protected from Rodent attacks. complying to ISO/IEC 11801, EN50173, ANSI/TIA 568-C.3, Telcordia GR-20; suitable for use in indoor / outdoor ducts, direct burial and backbone cabling		
2	Fiber Type	Multi-Mode, 50/125 micron primary coated buffers, OM3 (IEC 60793-2-50, B1.3 and ITU T G652.d). Shall be manufactured using Vapor Axial Deposition technology.		
	Construction type			
3	Number of elements	1		
4	Tube:	Polybutylene, Terephthalate(PBT)		
5	Tube color:	White		
6	Tube diameter	3.0/2.0 mm nominal OD/ID		
8	No of fibers:	4/6/8/12		
9	Fiber color sequence	Blue, Orange, Green, Brown, Slate (Grey), White, Red, Black, Yellow, Violet, Pink, Aqua		
10	Water Blocking	Thixotropic Gel (Tube) Petroleum Jelly (Interstices)		
11	Core Wrapping	Polyethylene Terephthalate		
12	Armoring:	Corrugated Steel Tape Armor (ECCS Tape) Thickness > 0.125mm		
13	Peripheral Strength Member	Two Steel wires (0.9 mm dia)		
14	Ripcord:	Polyester based yarns below armored tape for easy ripping		



15	Outer Sheath	UV Stabilized Polyethylene (HDPE)		
16	Sheath thickness	2.0 mm nominal		
17	Sheath color	Black		
	Standards			
18		complying to ISO/IEC 11801 2nd Edition, type OS1/OS2; AS/ACIF S008; AS/NZS 3080 ; TIA/EIA 568.C.3; IEC-60793-1, 60793-2 EN50173, ANSI/TIA 568-C.3, Telcordia GR-20; suitable for use in indoor / outdoor ducts, direct burial and backbone cabling		
	Mechanical characteristics			
19	Dimensions and Mass Overall Cable (Nominal):	9.0 MM		
20	Mass (Nominal)	80 kg/km		
21	Cable length	2 km \pm 10%		
22	Max. Bending Radius (during installation)	20 X Overall diameter		
23	Max. Bending Radius (during full load):	10 X Overall diameter		
24	Max. Tensile Strength-Short Term	1500N		
25	Max. Crush Resistance-Short Term:	2000N/10 cm		
26	Operating Temperature range	-40°C \pm 70°C		
	Optical characteristics			
27	Mode Field Diameter @ 850nm	50 + 3.0 μ m		
28	Cladding Diameter	125 + 2.0 μ m		
	Electrical/Optical Characteristics			
29	Attenuation	Characteristics - Optical Performance Max. Attenuation (Cable with fibers) At 850 nm: 3.0 dB/km At 1330 nm: 1.0 dB/km		
	Min Bandwidth			
30		At 850 nm: 2000MHz At 1300 nm: 500MHz		



Unloaded LIU 12 Port			
Sr. No.	Specification	Compliance Yes/No	Remarks (If any)
1	Supply and Installation LIU 12 PORT RACK MOUNT BLK with Splice Tray and Cable spool FIBER PATCH PANELS – RACK MOUNT		
2	Characteristic Min. Required Specification		
3	Have sufficient slots accommodate duplex LC adapters individually.		
4	Should have fiber management provision inside		
5	Have earthing lugs and other accessories.		
6	Panel cover should be slide out for easy maintenance		
7	Provide self-adhesive, clear label holders (transparent plastic window type) and white designation labels with the panel, for front panel labeling.		
8	LC Adaptor Module Panel		
9	Blank slot of LIU should be filled with blanking plate		

ADAPTOR LC Multi Mode OM3			
Sr.No	Specification	Compliance Yes/No	Remarks (If any)
	General		
	Supply And Installation ADAPTOR LC MM -ZR-SLEEVE SL QUAD ADAPTORS P/N.		
	Characteristic Min. Required Specification		
	Features All SC adaptors should be duplex type with shutter for protection. Adapters should be snap mount for easy insertion and removal.		
	Features		
	Adapters should be with a shutter providing a barrier against harmful light emissions and with either precise zirconia ceramic or rugged phosphor bronze alignment sleeves		
	It should be with Small footprint, RoHS Compliant, Zirconia, phosphor bronze and polymer alignment sleeves, Unique shuttered feature protects from harmful light emissions. Available upon application		
	It should be in multimode		



PIGTAIL LC Multi Mode OM3			
Sr.no	Specification	Compliance Yes/No	Remarks (If any)
	General		
	Supply And Installation PIGTAIL LC MM SIMPLEX LENGTH- (Fiber Cable Pigtail Splicing / Fusion Inclusive fixing of LIU) Optical Fiber Optic Pigtails		
	Characteristic Min. Required Specification		
	Features Connector Type:- LC-Style, Pre-terminated Pigtails offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. Pre-terminated leads are ideal for mission-critical backbone applications such as Data center tie cables and low optical loss backbone riser cables		
	MM connectors:- 500 cycles, Beige		
	Ferrules:- Pre-radiuses Ceramic Ferrules		
	Attenuation:- Not more than 0.75 dB per mated pair		
	Features		
	Characteristics Cable: 900um Buffered Outside Diameter: 900um Buffer Diameter: 900um tight buffer Minimum bend radius: install: 30 mm Operating Temperature: -20°C to 75°C Retention Strength: 100N Cable Sheath: LS0H		
	Features and Benefits: Standard or custom assemblies Precision ferrule end face geometry Controlled fiber protrusion Factory polished, tested and serialized.		
	Standards: ISO/IEC 1108:2008. ANSI/TIA/EIA-568-C.3, EIA 492, Tele Cordia GR-409, ICEA-596, OS2-STD ITU-T-G652 D LS0H* IEC 61034-1&2, IEC-60332-1 IEC 60754-1&2 standards		



Optical Fiber Patch Cords LC-LC OM3 - 3 mtr			
Sr.no	Specification	Compliance Yes/No	Remarks (If any)
	Features:		
	Optical Fiber Patch Cords should be with LSZH jacket as standard. Patch cords should be offer factory –controlled performance in a variety of connector, ISO performance standards and lengths. It has taken specific attention to the end-face geometry and fiber core alignment to ensure reliability and optimized performance		
	Features and Benefits: 100% Factory Tested – Guaranteed performance LSOH Jacket Standard – Reduces toxic/corrosive gasses emitted during combustion. Plenum and PVC also available Multiple Formats available - Available in Simplex, Duplex, Single Mode, Multi-Mode and a variety of connector options		
	Mechanical Characteristics Cordage O.D.: 2.0mm +/- 0.1mm x 4.1mm +/- 0.2mm Buffer Diameter: 900μ Primary Coating: 245μ Strength Member: Aramid Yarn Jacket Material: LSOH IEC 61034-1 & 2, IEC-60332-1, IEC-60754-1 & 2 Minimum Bend Radius: Install: 3.0cm. Long Term Bend Radius: 2.0cm Operating Temperature: -40°C to +85°C		
	Standards: ISO/IEC 1108:2008, ANSI/TIA/EIA 568.C.3, ANSI/TIA/EIA-492, TELECORDIA GR-409, ICEA-596 OS2 -STD ITU-T-652D		

Cat 6 4 Pair U/UTP Cable				
Sr.no	Technical Specification		Compliance Yes/No	Remarks (If any)
1	Type	Unshielded twisted pair cabling system, TIA / EIA 568-C.2 Category 6 Cabling system		
2	Network support	Supports ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T and 1000 Base-TX) and beyond.		



3	TIA / EIA 568-B.1	ETL Verified, UL Listed and UL channel verified- All three Certificates are mandatory		
4	IEEE 802.3ab	Zero-bit Error, ETL verified		
5	Warranty	25-year systems warranty; Warranty to cover Bandwidth of the specified and installed cabling system, and the installation costs. Site certificate must be issued by OEM		
6	Performance characteristics to be provided along with bid	Attenuation, Pair-to-pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR for 4-connector channel		
7	Manufacturer	All passive cabling must be from same OEM		
8	Conductors	23 AWG solid bare copper		
9	Insulation	Polyethylene		
10	Jacket	PVC		
11	Filler	PE		
12	Approvals	UL Listed and UL Channel verified ETL verified to TIA / EIA Cat 6		
13	Frequency tested up to	600 MHz minimum		
14	Outer dia	6.2 mm		
15	Packing	Box of 305 meters		
16	shipping weight	305m reel in a box 24kg		
17	Impedance	100 Ohms + / - 15 ohms		
18	Performance characteristics to be provided along with bid	Attenuation, Pair-to-pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR		
19	Delay Skew:	45ns Max		
20	Impedance:	100 ± 15 Ohms		
21	Current Rating:	1.5 A Max		
22	Conductor DC Resistance:	66.5Ω/km		
23	Voltage:	150VAC		
24	NVP	67%		
25	Propagation delay:	535ns/100m @250MHz		
26	Mutual Capacitance:	5.6nF/100m Nominal		
27	Insulation Resistance:	500 MΩ Minimum		
28	Dielectric Strength:	1000 V RMS		
29	Contact Resistance:	10 mΩ Max		
30	Fire Propagation Test	UL 1581 VW1, IEC 60332.1, EN0256-2-1		



CAT 6 Jack I/O			
Sr. No.	Specification	Compliance Yes/No	Remarks (If any)
1	Cat6 Data Gate Jack with Spring loaded Shuttered in-out effect & Face Plate with tagging from OEM for Data / Voice / Other application, (ii) FACE PLATE		
2	Specification		
3	Features Single Gang square plate, 86mmx86mm		
4	Write on labels in transparent plastic window – supplied with plate		
5	Screw hole covers – to be supplied with plate		
6	Plug in Icons – Icon tree – to be supplied with plate		
7	Should be able to support variety of jacks – UTP, STP, Fiber, Coax etc. INFORMATION OUTLET		
8	Characteristic Min. Required Specification		
9	Features Category 6, TIA568B.2-1 – 250MHz		
10	All information outlets for 100 W, 22-24 AWG copper cable shall:		
11	Use insulation displacement connectors (IDC)		
12	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits.		
13	Be constructed of high impact, flame-retardant thermoplastic with color and icon options for better visual identification.		
14	With spring loaded shutter		
15	With Terminator cap		
16	IDC posts should be pointed		
17	568A/B configuration		
18	Information outlet (RJ45 jack) should be covered under ETL Verification program for compliance with TIA568B.2-1, ETL certificate to be submitted with offer		
19	Mechanical : Jack Connector Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent		
20	Operating Life: Minimum 750 insertion cycles		
21	Contact Material: Copper alloy		
22	Contact Plating: 50 μinches gold over 100 μinches nickel		
23	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent		
24	Operating Life: Minimum 200 Re-terminations		
25	IDC Contact Plating: Tin Plate (tin/lead)		



CAT 6 LSZH Patch cord 1mtr / 2 Mtr			
Sr. No.	Specification	Compliance Yes/No	Remarks (If any)
1	Cat 6 U/UTP Patch Cord LSZH - 1m / 2m MOUNTING CORDS		
2	Characteristic Min. Required Specification		
3	Features Category 6 Equipment cords		
4	The work area equipment cords shall, at a minimum comply with proposed ANSI/TIA/EIA-568-B.2-1 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100W Category 6 Cabling.		
5	Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant jacket.		
6	Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.		
7	Should have 50 micro inches of gold plating over nickel contacts.		
8	Modular cords should include a molded strain relief boot.		
9	Should be covered by ETL verification program for compliance with TIA 568B.2-1. Certificate to be submitted with bid.		
10	Mechanical – Cable Conductor size: 24 AWG stranded bare copper		
11	Max O.D.: 5.6mm (.22")		
12	Jacket: PVC LSZH		
13	Temperature range: -20oC to +60oC		
14	Mechanical Characteristics – Plug Operating life: Minimum 750 insertion cycles		
15	Contact material: Copper alloy		
16	Contact plating: 50μ" Gold/100μ"Nickel		
17	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7		
18	Approvals: UL, CSA		
19	Electrical Characteristics – Plug Max voltage: 150 VAC (max)		
20	Max current: 1.5A @ 25oC		
21	Operating temperature: -40 C to 85 C		



CAT 6 UTP Patch Panel, 24 port Loaded			
Sr. No.	Specification	Compliance Yes/No	Remarks (If any)
1	Cat 6 24 Port Loaded Patch Panel - 1U 24 PORT JACK PANEL		
2	Characteristic Min. Required Specification		
3	Features Be made of powder coated steel, in 24 port configurations.		
4	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limit.		
5	Have port identification numbers on the front of the panel.		
6	Should have self-adhesive, clear label holders (transparent plastic window type) and white designation labels with the panel, with optional color labels / icons.		
7	Should be upgradeable as Intelligent Patch Panel without changing the existing Patch Panel hardware and by simple retro fitting of intelligent sensors as and when required.		
8	Each port / jack on the panel should be individually removable on field from the panel.		
9	Should have integrated rear cable management shelf.		
10	Should be covered by ETL verification program for compliance with TIA 568B.2-1.		
11	Shutter on the jack panel port is mandatory		
12	Mechanical Characteristics		
13	Jack Connector Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent		
14	Operating Life: Minimum 750 insertion cycles		
15	Contact Material: Copper Alloy		
16	Contact Plating: 50μ" Gold/100μ" Nickel		
17	Contact Force: 100g minimum		
18	Plug Retention Force: 15 lb.		
19	IDC Connector Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent		
20	Operating Life: Minimum 200 re-terminations		
21	Contact Material: Copper Alloy		
22	IDC Contact Plating: Tin/Lead Plate		
23	Contact Force: 100g minimum		
24	Wire Accommodation: 22-24 AWG solid		



FACE PLATE			
Sr. No.	Min. Required Specification	Compliance Yes/No	Remarks (If any)
1	Characteristic & Features		
	Single Gang square plate, 86mmx86mm		
	Write on labels in transparent plastic window – supplied with plate		
	Screw hole covers – to be supplied with plate		
	Plug in Icons – Icon tree – to be supplied with plate		
	Should be able to support variety of jacks – UTP, STP, Fiber, Coax etc.		

Standard Back box			
Sr. No.	Specification	Compliance Yes/No	Remarks (If any)
2	Supply and Installation BACK BOX -(Surface Mount Box) For Single 86mmx86mm		



Compliance Check List- To be submitted as part of technical Bid

Document	Compliance (Yes/No)	Page No. of the Physical Bid
Concept, Design and Solution- Bidder shall provide a narrative and graphical description in sufficient detail to clearly define the proposed concept(s)		
Products to be used, their availability and their specifications		
Technical compliance with reference (to submit Brochures/ specifications)		
All Hardware requirements, system software and application software		
Sample Project Management Plan, including reasonable target dates, major tasks and steps		

Please note that list is the minimum documents to be enclosed. However, bidder shall submit more documents to meet the tender requirement.



List of Documents to be enclosed to be submitted as part of Technical Bid

Sr.No.	Eligibility Criteria	Supporting document (should be notary)
A	Bidder shall be either Original Equipment Manufacture or shall be Authorized System Integrator Partner having direct purchase and quoted for this tender. (MAF is mandatory for all quoted items)	Certificate/Authorization letter specific to tender must been closed by authorized representative of the OEM with technical bid. In case the bidder is system Integrator partner MAF and declaration from OEM that production quoted is not end of life and it shall support spares, patches for the quoted products shall available for next 5 years
B	Bidder shall be registered in India under Companies Act 1956 and Companies Act 2013 at least for 3 years on 31.12.2017	Certificate of Incorporation (Mandatory).
C	Bidder shall have valid certificate of ISO 9001:2008 or above and at least 3 years shall be completed as on 31.12.2017	Copy of Certification.
D	Bidder's Average Annual Turnover of the Company Registered in India during last 3 years ending 31.03.17 shall be at least Rs. 10 Crore in India. Note: The annual turnover is taken for last three financial years ending 31.03.17 i.e. FY 2014-15, 2015-16 & 2016-17	CA certified copy of the last three years (i.e. 2014-15, 2015-16 & 2016-17) audited finance statements or Audited Balance sheet along compulsory CA certified statement.
E	Bidder should have positive net-worth as per last audited balance sheet ending on 31-03-17	CA certified and audited balance sheet
F	Bidder should have successfully executed network project in any one of the following in last five years: <input type="checkbox"/> One project of minimum 200 LAN /WAN nodes and worth of atleast Rs. 50 lacs. <input type="checkbox"/> Two projects of minimum 100 LAN /WAN nodes and worth of atleast Rs. 35 lacs each; <input type="checkbox"/> Three project of minimum 50LAN /WAN nodes and worth of atleast Rs. 25 lacs each	Copy of purchase Order and completion certificate shall be enclosed by the bidder.



G	Bidder must have on its roll at least 25 technically qualified employee for IT projects execution.	An undertaking by an authorized signatory of the company needs to be submitted in this regard.
H	Bidder shall not be blacklisted / banned/ disqualified / declared ineligible / declared having dissatisfactory performance by any government / quasi- government authority in India for supply of materials / carrying out operations and maintenance work.	An undertaking by an authorized signatory of the company needs to be submitted in this regard. Also, enclose contact details of authorized personnel
Mandatory Documents to be submitted in technical bid to be verified for pre- qualification. Failure to which, Bidder will be technically disqualified.		
I	Bidder should be registered for GST	Copy of the registration should be submitted with this bid.
J	Bidder shall have sales & service set up office in Gujarat since last 5 years as on tender as on floating date.	Office & service center address proof document (like telephone bill, electricity bill or rent agreement) should be submitted. (Any type of consortium/JV/sub-contract would not be accepted)
K	A power of attorney should be accompanied by the board resolution authorizing the Director/ competent authority to execute POA and such authorized official shall sign all Bid Documents/deeds/declarations/undertaking/communications etc. The authorized official shall represent the Bidder in connection with this project.	Original power of attorney on a stamp paper of Rs. 100/- (Rupees Hundred only) for this project along with board resolution of the company.



Experience Details

Sr. No.	Name of the customer with address of installation	Scope of Work	Technical details/ Specifications(Equivalent to the specification requested in the RFP)	Value of the Project in INR
1				
2				
3				
4				
5				

Please add additional lines if required...

Make and Model List

Sr. No.	Name of the Item	Make	Model	Supporting Document Submitted or Not?
1				
2				
3				
4				
5				

Please add additional lines if required...



ANNEXURE II- COMMERCIAL BID (BOM A)

ANNEXURE II- COMMERCIAL BID								
Sr. No.	Description of Item	UO M	Quantit y	Unit Rate	Total Amount without Tax	Tax rate in Percentage	Total Tax Amount	Total Amount with Tax
			(A)	(B)	(C)=(C=A*B)	(%) (D)	(E) (E=C*D)	(F) (F=C+E)
SUPPLY PART- A								
1	Core switch - (As per Technical Specification)	No s.	1					
2	Access Switch Non POE - (As per Technical Specification)	No s.	11					
3	Access Switch POE - (As per Technical Specification)	No s.	2					
4	Multimode SFP Module - (As per Technical Specification)	No s.	10					
5	Indoor Access Point - (As per Technical Specification)	No s.	12					
6	6 Core optical Fiber Armored Multi-Mode OM3 - (As per Technical Specification)	Mtr .	300					
7	Unloaded LIU 12 Port - (As per Technical Specification)	No s.	5					
8	ADAPTOR LC Multi-Mode OM3 -	No s.	10					
9	PIGTAIL LC Multi Mode OM3 - (As per Technical Specification)	No s.	36					
10	Optical Fiber Patch Cords LC-LC OM3 - 3 mtr - (As per Technical Specification)	No s.	8					
11	Cat 6 4 Pair U/UTP Cable - (As per Technical Specification)	Bo x	40					
12	CAT 6 Jack I/O - (As per Technical Specification)	No s.	252					



Request For Proposal (RFP) for Video Conferencing Solution at GSRTC

13	CAT 6 LSZH Patch cord 1mtr - (As per Technical Specification)	No s.	282					
14	CAT 6 LSZH Patch cord 2 Mtr - (As per Technical Specification)	No s.	272					
15	CAT 6 UTP Patch Panel, 24 port Loaded - (As per Technical Specification)	No s.	13					
16	Face Plate - Single/Dual- (As per Technical Specification)	No s.	252					
17	Standard Back box - (As per Technical Specification)	No s.	252					
18	42U Network Rack - (As per Technical Specification)	No s.	1					
19	29 U Network Rack - (As per Technical Specification)	No s.	4					
20	25MM PVC Conduit with accessories - (Standard ISI)	Mtr .	4050					
21	32MM HDPE Pipe with accessories - (Standard ISI)	Mtr .	200					
22	32MM Flexible Pipe Rain Force - (Standard)	Mtr .	500					



Sr. No.	Description of Item	UOM	Quantity	Unit Rate	Total Amount without Tax	Tax rate in Percentage	Total Tax Amount	Total Amount with Tax
			(A)	(B)	(C)=(C=A*B)	(%) (D)	(E) (E=C*D)	(F) (F=C+E)
SERVICES PART- B								
1	Core switch Installation Charges	Nos.	1					
2	Access Switch Non POE & POE Installation Charges	Nos.	13					
3	Indoor Access Point Installation Charges	Nos.	12					
4	6 Core Optical Fiber Armored Multi-Mode Laying Charges	Mtr.	300					
5	Unloaded LIU 12 Port Installation Charges	Nos.	5					
6	PIGTAIL LC Multi Mode OM3 Splicing Charges & OTDR Testing	Nos.	36					
7	Cat 6 4 Pair U/UTP Cable Laying & Pulling Charges	Mtr.	12200					
8	CAT 6 Jack I/O termination with Faceplate & back box installation Charges including Ferruling, Labeling, Node Scanning	Nos.	252					
9	CAT 6 UTP Patch Panel, 24 port Loaded Termination Charges	Nos.	13					
10	42U Network Rack - Installation Charges	Nos.	1					
11	29U Network Rack - Installation Charges	Nos.	4					
12	Laying of 25MM PVC Conduit with Accessories Charges	Mtr.	4550					



13	Laying of 32MM HDPE Pipe with Accessories Charges	Mtr.	200					
14	Project Management Charges & Documentation Charges	LS	1					
Grand Total PART - A + B								

- Note: (1) L1 will be finalized on the Grand Total Amount without taxes. However, GSRTC may ask L1 bidder to match lowest prices of an individual items where other bidder have given lower prices.
- (2) Any changes in Govt. Taxes/ Duties would be applicable as on actual at the time of invoice processing.
- (3) Quantity may be increased or decreased at the time of actual deployment.