Expression of Interest (EOI)

For the Implementation of SD-WAN in GSWAN Network
Gujarat Informatics Limited
Department of Science and Technology
Government of Gujarat.

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Instructions for Vendors

1. Proposals must be submitted on or before the specified deadline in the prescribed format.
2. The response must include the technical proposal, filled BOQ, and relevant eligibility documents.
3. All documents should be duly signed and stamped by an authorized signatory.
4. The proposal shall be submitted in English and in PDF format.
5. Provide at least two case studies of previously implemented SD-WAN projects of similar scale.
6. Submit detailed architecture diagrams and design rationale for the proposed SD-WAN solution.
7. Fill in the BOQ table with clear breakup of Capital Expenditure (CapEx) and Operational Expenditure (OpEx) for budgeting.
8. Include OEM documentation supporting SD-WAN features and certifications.
9. DST/GIL reserves the right to reject any or all proposals without assigning any reason.

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1. Introduction

Gujarat State Wide Area Network (GSWAN) is a communication infrastructure designed to facilitate the seamless exchange of data, voice, and information across various government departments and offices of the Gujarat State.

To improve network performance, reliability, scalability, and security, the DST/GIL intends to explore the implementation of Software Defined Wide Area Network (SD-WAN) technology within the existing GSWAN infrastructure.

This EOI invites responses from eligible and experienced technology providers/system integrators to share solutions, approaches, and best practices for deploying SD-WAN over the current infrastructure.

2. Objective

1. Understand the best possible way to integrate SD-WAN technology with the existing GSWAN network.
2. Explore deployment models, architecture designs, licensing pattern and migration strategies suitable for the current topology.
3. Identify cost-effective and scalable solutions without compromising on network security and performance.
4. Evaluate vendor capabilities, relevant experience, and technological innovations in SD-WAN.

3. Scope of Work

Respondents are expected to provide detailed information on:

- Proposed SD-WAN Architecture considering existing GSWAN infrastructure.
- Integration approach with Point to Point, MPLS, Internet, and other existing links.
- Traffic engineering & optimization techniques.
- Security features including encryption, segmentation, and policy-based routing and blocking infected traffic at edge level.
- Centralized monitoring & management solutions.
- High availability provisions.
- Scalability & future-readiness
- Phase wise Migration plan from current network to SD-WAN with minimal disruption.

4. Existing GSWAN Network – Topology Overview

Note: Bidders are expected to overlay their proposed SD-WAN design on the existing GSWAN architecture. A generic GSWAN topology overview is provided here for network understanding.

Layer	Description	Key Components	Technologies / Protocols
1. State Data Centre (SDC)	SDC hosts applications and serves as the internet gateway for the entire network.	Core Routers, Layer 3 and Layer 2 Switches, Application server	LAN / WAN, OSPF, BGP
2. Core Routers	Two main routers at the State Data Centre that provide core routing and redundancy.	Router (Core Router 1 and 2)	LAN / WAN, OSPF, BGP
3. District Collector Offices (DCs)	33 district-level offices with core distribution equipment. Each office connects to the SDC using dedicated point-to-point (P2P) links over BSNL and GFGNL networks.	Router, L3 Switch, L2 Switch	LAN / WAN, OSPF, BGP
4. Clusters	Five groups of districts (Clusters 1–5) with a ring network within each cluster. Each ring has redundant connections for higher availability using BSNL and GFGNL links.	Router, L3 Switch, L2 Switch	LAN / WAN, OSPF, BGP
5. Taluka Offices	Sub-district (Taluka) offices connected centrally to their respective District Collector Office. Talukas also have a local ring network via BSNL and GFGNL media.	Router, L3 Switch, L2 Switch	LAN / WAN, OSPF, BGP
6. PoP (Point of Presence) Locations	PoP extended from District and Taluka offices to connect nearby government offices.	Router, L2 Switch	LAN / WAN, OSPF, BGP
7. Government of Gujarat (GoG) Offices	Offices connected through PoPs or direct links (OFC, RF, or P2P) to District, Taluka, or PoP networks.	Router, L2 Switch	LAN / WAN, OSPF, BGP
8. RU (Remote User) Locations	12 remote sites connected in a mesh topology with the SDC. These sites provide dedicated fiber connectivity to the State Secretariat.	L3 Switch	LAN / WAN, OSPF

5. Eligibility Criteria

Sl. No.	Criteria	Supporting Documents Required
1	The bidder should be a registered company in India for at least 5 years	Certificate of Incorporation
2	The bidder should have implemented at least two SD-WAN projects in networks of size of 2000+ office connectivity / SWAN network	Work Order/Completion Certificates

6. Bill of Quantities for budgeting (Indicative)

Sl. No.	Item Description	Qty. (Approx.)	Unit	CapEx (₹)	OpEx – Annual (₹)	Remarks
3	SD-WAN Edge Devices (Taluka HQ)	252	Nos.			
2	SD-WAN Edge Devices (District HQ)	33	Nos.			
1	Centralized SD-WAN Orchestrator & Controller	1	Nos.			
4	Network Monitoring & Management Software	1	Nos.			
5	Manpower Support for 5 Years	1	Lot			

Note: The quantities provided are indicative.

7. Response Submission

The response should include the following:

- Technical Proposal: Architecture, integration methodology, solution features
- Experience Credentials: Case studies and client references
- Preliminary Cost Estimate: Based on the indicative BOQ
- Implementation Timeline: Phased rollout plan with key milestones
- Supporting Documents: All eligibility documents as per Section 5

8. Disclaimer

This EOI is issued solely for information-gathering purposes and does not constitute a solicitation or an offer to purchase. The DST/GIL reserves the right to amend, withdraw, or cancel this EOI at any time without notice.