



**SCOPE OF WORK**

**FOR**

**SOFTWARE DEFINED NETWORK SOLUTION (SDWAN) for DC,DR and Branch office locations**

## 1. Background

This Scope of Work (SOW) defines the scope of work to be accomplished and the tasks to be performed by vendor for GUJARAT ENERGY LIMITED (GEL). GEL and GSPC office uses MPLS Network link in its offices to run various business application and services.

GEL lays utmost importance on Safety (HSSE) and Quality and expects the similar focus from Vendor in terms of safety and Quality of Services to be provided. GEL Safety guidelines and IT policies and procedures provides independent assurance that defined processes are operating within the parameters and policies defined for the engagement.

## 2. Project Scope

The bidder has to Design, supply, install & provide comprehensive maintenance support of a SD WAN (Software Define Wide Area Network) solution . The scope include seamless integration of SDWAN solution with GEL and GSPC Network including hardware and software.

SD WAN Solution need to be deployed at primary Data Center , Disaster recovery site , and at all GEL and GSPC identified Corporate office /Zonal and circle offices/Tier-1GA/Tier 2GA/Tier 3 GA /CNG Stations Warehouses Network link comprising of various types of connectivity like MPLS, Internet Leased Line(1:1), Point to Point connectivity and Broad-band .

GEL IT team should be able to manage network congestion by optimizing application-level traffic and should provide monitoring capabilities on an ongoing basis and also be able to provide end user response time metrics on a GUI. The solution shall also provide facility of using Internet Lease Line / Broadband , over a secure channel as and when required by the GEL.

- To supply complete Hardware and Software as per specifications and requirements defined in RFP, , at various locations identified by ENERGY Gujarat Eneergy Ltd (GEL) and GSPC location (Refer- Annexure – 1 List of GEL and GSPC Locations )
- The implementation includes, installation of the hardware including Rack mounting, configuration of the equipment/appliance/solution, testing, monitoring etc.
- Bidder has to plan the central SDWAN devices for DC and DR, to support for approximately 100+ edge devices from day 1 and also support scalability up to 200 edge devices at any point of time.
- De-installation of the existing router at the branch along with power cables and replacing with new SD-WAN device and power cables (rack mounting). Reconnecting all uplinks and other cables in proper manner. Asset tagging to be done on the new network equipment. Same will be provided by GEL.
- GEL““The proposed SD-WAN solution shall support intelligent application-aware traffic optimization to effectively manage network congestion across WAN links. The solution shall continuously monitor network, application, and WAN performance parameters including latency, jitter, packet loss, bandwidth utilization, and SLA compliance. The solution must provide centralized GUI-based visibility and reporting capabilities, including real-time and historical end-user response time metrics, application performance analytics, and user experience monitoring across branch, cloud, and data center environments.” It should be able to manage network congestion by optimizing application-level traffic and should provide- – 1 List of GEL and GSPC Locations
- The Bidder should specify various infrastructure requirements which need to be provided for commissioning and smooth functioning of the network. This will include site requirements, power, cables, connectors, network cards, ports, UPS, environmental conditions, illumination, etc.
- The Bidder should have the Back to Back support agreement with OEM during the entire contract period including warranty & AMC period to ensure the smooth working and to achieve the highest uptime on the offered equipment. The bidder will be responsible for ensuring preventive

maintenance on yearly basis.

- The bidder should provide comprehensive on-site warranty/AMC during the entire contract period including warranty & AMC period for all equipment and required accessories, if any as per RFP by the GEL. Warranty would cover replacement of faulty parts or the whole equipment/maintenance patches/bug fixes, if any, for the hardware supplied without any additional cost.
- Bidder has to integrate SDWAN solution with ADS, TACACS/RADIUS, NTP, Monitoring Tools Etc deployed at GEL and GSPC office.
- Successful bidder shall provide all technical specifications, all necessary entitlements, papers of license, etc. for both hardware and software of all equipment covered in this RFP to the GEL.
- The successful bidder including OEM will be required to submit an undertaking before signoff , explicitly stating their commitment to provide full technical, spares, operational and maintenance support to GEL during the contract period including warranty & AMC period.
- The successful bidder has to buy back the existing Network devices/equipment (Refer -Annexure -2 List of IT network device for Buyback .).
- If there is any gap in interpretation of GEL's requirement and bidder/OEM understanding for proposed solution, it will be the responsibility of Bidder/OEM to fill up the gap on time without any extra cost to GEL during implementation of Project/AMC.

### **3. Functional Specifications of Software Defined network Appliance (DC,DR, Tier-1/2/3, Remote branch Location)**

- The proposed solution components should include Centralized Network Orchestrator, Software defined network Controller, Analytic, Monitoring and Reporting engine, Hub/gateway device running in central locations and edge devices running in the remote locations GA offices /Zonal offices/Corporate office/CNG stations/Warehouses .
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- The proposed solution should be capable of HA (High Availability) Active/Passive or Active/Active for control-plane and data-plane components, and should support auto and manual failover in case of device failure, control-plane failure, data-plane failure, or connectivity failure impacting service availability.
- The proposed solution should be capable of HA (High Availability) Active/Passive or Active/Active for control-plane and data-plane components, and should support auto and manual failover in case of device failure, control-plane failure, data-plane failure, or connectivity failure impacting service availability.
- In the proposed solution, the WAN path selection should be dynamically selected based on the policy set from the Software defined network appliance deployed at DC/DR.
- In the proposed solution, the system architecture should allow to use the most preferred link based upon Link characteristics (Latency, Jitter, PLR) for critical applications as per GEL requirement.
- The proposed solution should support traffic flow/packet forwarding on WAN links (Internet and Broadband ) based on agreed SLA.
- In the solution, the tunnel/VRF creation should be automatic & dynamic without any manual configuration on the edges and the controller.
- The proposed solution during the failure on one link, the critical traffic should automatically migrate to the other Service Provider Link without any manual intervention and without session disconnect. QoS also should maintain during the failure of the WAN link.
- The proposed solution appliance should be able to select the path based on the link quality

(Congestion, latency, loss and jitter) must be taken into consideration when a data transfer is initiated.

- The proposed solution should be able to define Guaranteed Bandwidth base on different criteria such as application, Destination TCP/UDP port number, Destination IP address and Source IP address
- The proposed solution must be able to allocate a maximum bandwidth usage cap to each class of traffic.
- The proposed devices/appliances should be able to interoperate with the existing products of different vendors. (eg: - Cisco, checkpoint, D-Link, Fortinet, WatchGuard, Dell, Array, etc. ) deployed at ENERGY Gujarat Energy Ltd.
- The proposed solution should have the capability to detect the path MTU (Maximum Transmission Unit)
- The proposed solution to be able to Integrate with AD, Trend micro antivirus and XDR/EDR solution ,NTP Server, TACACS, PIM, Monitoring tool, incident management tool etc.
- All network wide configuration & application routing policies shall be from the Centralized policy management and SDWAN controller
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- SD-WAN should be able to configure and failover on/between Physical WAN Interface and Virtual/Logical WAN Interface, based on WAN link and overlay path availability.
- The Centralized policy management and SD-WAN controller must have web-based GUI
- All communications between the Edge / Gateway and SD-WAN controller shall be encrypted with industry standard strong encryption
- When using multiple underlays with different WAN addressing, the solution must support management over any WAN address. If any or multiple of the WAN links fail, it must be possible to operate / manage the solution over any remaining interface(s).
- Application-wise and Tunnel-wise priority should be configurable
- The proposed Solution should support following Security Features :-
  - a. IPS (Intrusion Prevention System),
  - b. IDS (Intrusion Detection System)
  - c. Advanced threat protection / zero-day threat mitigation capabilities
  - d. Application base Control.
  - e. Anti- Malware/ Spyware and Anti-Botnet protection,
  - f. IP/URL Filtering Reputation and DDOS
  - g.
  - h. All solution including the logging, central manager for SD-WAN nodes should be on-prem, cloud-based solution not acceptable.
- The proposed SD\_WAN solution must support following IP & Routing Features: -
  - a. IPv4 & IPv6 routing support
  - b. Static routes, Dynamic -OSPF, BGP,.
  - c. Policy Based, Performance based routing,
  - d. Must support either of VXLAN/NVGRE/GRE or IPSEC, DNS, DHCP.
  - e. Bidirectional Forwarding detection (BFD) or similar features Network Address Translation (NAT),
  - f. Access Control lists (ACLs) and VRRP,
  - g. Multi-gigabit fabric for module to module communication

#### 4. Technical requirement -Software Defined Network Solution at DC , DR and office locations :

Bidders has to submit compliance report whether their SDWAN solution complies on below technical Specification

Sr.	Requirement / Specifications	Compliance (Yes/No)	Remark / Deviation
	<b>SD-WAN</b>		
1	The SDWAN solution should be software based and should be capable of running on general purpose hardware with OS from the same OEM .		
2	The SDWAN solution should provide capability to be hosted on c on premise deployment.		
3	SDWAN Solution is preferred to be service-centric, session-oriented and Zero Trust Led for building context aware networks		
4	SDWAN Solution is preferred to use protocols fully compatible and interoperable with existing Standard network protocols and architectures		
5	The SDWAN Solution is preferred to be session aware, and session based with directionality information for application routing decisions		
6	All Component of SD WAN should be on premise meeting the end user requirements		
7	Appliance should support Threat Protection & Throughput (FW + IPS + IDS + Application control + Malware Protection, Zero Day Attack protection)		
	<b>Management plane: - (control Plane &amp; Data Plane)</b>		
1	The centralized SDWAN controller should be separate or in same (SD WAN Router) device from the Hub device and should provide complete orchestration and automation of SDWAN network via Management / Controller.		

2	Management plane is responsible for configuration of SD- WAN policies including routing, security, SLA etc. The controllers should provide the details of inline performance monitoring with per path/per protocol		
3	The solution should be implemented as true software defined WAN network architecture. SD-WAN network architecture should have clear separation of management/ control, and data plane functions.		
4	The SDWAN controller should be deployed in redundant (HA) mode at DC.		
5	Should provide details of the bandwidth optimization with encryption and without encryption OR solution should provide details of bandwidth utilization and SLA metrics.		
6	Management and control plane should be centralized with capability to be separated for each VRF/Tenant in such a way that management, control & data traffic are not dropped.		
7	The controller should provide the details of inline performance monitoring like loss, latency and jitter.		
8	Management Plane/ Control plane/SDWAN controller must support single pane of glass for configuration management, security configuration and monitoring and must validate the configuration before apply it to running configuration.		
9	The control plane should provide GUI, CLI , REST , Remote access , Upgrade and Zero Touch provisioning , template based configuration .		
10	Data Plane: Data plane is responsible to forward traffic with choices of encrypting traffic across applications with or without Tunnels, apply local policy like QoS, ACL etc. OR Data plane is responsible to forward traffic using secure tunnels across applications apply local policy like QoS, ACL etc.		
11	The network should be implemented as true software defined network architecture with a central Management / controller also Data Plane and Control Plane should be separate end-to-end.		
12	There should be no impact on data plane if the centralized Management / controller is not reachable during failure.		
<b>Architectural Specification</b>			

1	Proposed solution should be in the form of Virtual Appliance or hardware appliance from same OEM or approved 3rd party hardware for OEM software and should be able to support High-Availability Central Location as per the requirement.		
2	The data plane at the branch locations, data center should be programmable from the central software defined network controller / Manager and should provide single pane of glass form complete WAN network.		
3	The communication between the software defined network controller and the branch device running on the remote entity should be secure and encrypted.		
4	WAN path Selection at the branch locations should be based on applications/custom applications/URL/IP address and port with the near real time analytics of the WAN Links Quality (Packet loss, Latency & Jitter) and should provide in case of failover		
5	The architecture should allow for internet break out at the localat branch, centralized location, remote entity (remote location) based on the application and the policy defined in the SDWAN solution.		
6	The selection of WAN links to anchor the traffic flows for an application traffic should be dynamic and policy driven.		
7	The system architecture should be transport agnostic and should support MPLS, LL, ILL, BB, LTE and other transport with no limitations of physical WAN links connectivity		
8	The system architecture should allow to use the most preferred link based upon Link characteristics (Latency, Jitter, Packet loss) for critical applications as defined in policy		
9	SD-WAN solution should be able to distribute the sessions across all the links to effective use and load sharing of the links.		
10	The SD-WAN solution must be able to apply QoS policies to all the traffic seen in network, including both optimized and non-optimized traffic flows, including TCP, UDP traffic types.		
11	The SDWAN should be able to prioritize, rate limit per service and also group of services.		
12	The SDWAN Solution must have REST APIs available for 3rd party integration or integration with custom automation tools.		

13	SD-WAN solution should have capability to mitigate the effect of packet drop in underlay upto some extent for specific or all applications using Adaptive Forward Error Correction or Packet Replication to improve end-user experience		
13	SD-WAN solution must support Hub-Spoke, Full-Mesh, Spoke-Hub-Hub-Spoke and Partial Mesh topologies. Any to Any Architecture without dependency on tunnels for overlay is preferred		
14	SD-WAN solution should have intelligence to route/path- selection for Voice and video traffic based on MOS (mean opinion score) score or similar or loss , latency n jitter values.		
15	The solution should support centralized network discovery, topology learning, and path intelligence with minimal dependency on dynamic routing protocol peering across WAN links		
16	The system should be able to select the optimum path based on the network parameters like Latency, Jitter, packet loss and based on the application the sessions should be distributed across all the links to ensure load balancing/load sharing		
17	The system should be able to automatically steer traffic flows to the optimum path, based on policy definition through the SDWAN Controller		
18	The system should ensure that the session is not impacted when switching between paths with fast fail-over and needs to be demonstrated with Low latency Real-time applications like Voice and Video		
19	The system should be able to support multiple internet break out points based on the application (e.g. The system should do a direct internet break out at the branch location for internet traffic while rest of the internet traffic should be egressed through a centralized security infrastructure in the data center ).		
20	The SLA management should have failback mechanism in place i.e. in case if both the links at a branch location fail to meet SLA, the traffic should not drop.		
21	The proposed SDWAN solution should support Multicast.		



22	Orchestrator/ controller must support geographical redundancy in active-active or active / passive fashion. When the primary orchestrator down, backup orchestrator must be ready without impacting operational.		
23	System should able to support centralized management plane to authenticate SD-WAN solution components like control plane, data plane & NMS tool		
24	System should able to support Multiple WAN Links utilization and detecting blackouts & brownouts by supporting active-active load balancing & Fast session Failover		
<b>Security features in SDWAN appliance</b>			
1	Proposed solution is preferred to support zero trust security architecture.		
2	Proposed solution capable and experience on large scale deployment with minimum 1k branch		
3	The Proposed SDWAN HUB and Edge devices shall support IPS , IDS , Application, control , Malware Protection, Zero Day Attack protection , Bot Protection within same hardware.		
4	The Proposed SDWAN CPE solution should support URL filtering for local network breakout sessions.		
5	The SDWAN solution should behave like Distributed stateful firewall for increased security.		
6	SDWAN Solution should have capabilities to define VRF/Tenant and service information is propagated network wide within an organization for application driven architecture with inherent security		
7	SDWAN solution should be able to apply Denial of Service (DOS) and Distributed Denial of Service (DDOS) protection to every session passing through the SDWAN CPE not only at the edge but wherever CPE are deployed.		
8	Proposed solution is preferred to be FIPS-140-2 compliant		
9	Proposed solution is preferred to be PCI-DSS compliant		
10	Every entity must be equipped with either a certificate signed by a public or enterprise certificate authority (CA), or a certificate for that entity to be accepted into the overlay. Before an instance is allowed into the network, the instance identity together with the certificate & serial number associated with the same must be present in a centrally managed security authentication database		

11	Proposed solution should support functionality to protect the route processor from unnecessary or malicious levels of traffic, including DOS attacks		
	<b>Reporting in SDWAN</b>		
1	Solution should support packet capture per device & per interface from orchestration layer.		
2	Solution should provide complete view of the network		
	<b>Branch and Hub Devices Hardware specification</b>		
1	The Branch CPE should have total 6 Copper Ports (1G) either any combination of SFP or on board from day 1. It should have min 8 GB RAM and 8GB of Flash. Proposed solution must support at least 1 X 3G/4G/LTE interface in Active/Backup mode natively or via external ODU or USB slot with support USB dongle		
2	The DC CPE should have min 8 GE Copper and 4 X 10 GE Fiber with 16 GB RAM scalable up to 32 GB and 64 GB Flash or higher.		
3	All the solution component Branch CPE, DC / DR CPE/HUB and Management / controller to be provided from day 1.		
4	The HUB devices at DC should be provided in HA (from same OEM or Approved OEM hardware )		
5	Appliance should support rack mountable in conventional network rack Dimension by 800*1000 and dual power supply Indian C13/14 Male & Female, Type D Male Indian standard		
6	Software defined network Appliance should be supplied with minimum 6Gbps of throughput with services like SD-WAN, IP-Sec, NAT features enabled from day one		
7	Appliance should be supplied with minimum Type A- 6 Gbps Type-B-400 Mps & Type -C -200 Mbps throughput with services like SD-WAN, IP-Sec, NAT features enabled from day one		
8	The Branch CPE should support at least 250 gateway-gateway IPSEC tunnels.		
8	The DC CPE device should support at least 3000 gateway-gateway IPSEC tunnels to support at least 200 sites / Location which can have minimum 2-3 WAN links		

## 5. Delivery & Installation

- Bidder shall be responsible for delivery and installation of the complete solution (hardware & software both) ordered at both DC & DR (currently in Gandhinagar & Surat respectively) or any other

alternate site as per GEL requirement within 16 weeks from the date of issuance /award of Purchase order.

- Installation means mounting of SD-WAN Solutions in Rack (If any) and “Power-On” all the hardware with all the accessories provided with the hardware. The point of delivery/ destination will be as defined by GEL in the purchase order.

**Following is the list of details of SDWAN appliance with necessary software licenses & accessories proposed for DC/DR and office locations**

Sr No	Category	Software defined network Appliance specifications	QTY
1	<b>Type- A</b> Datacentre – DC & DR -	Software defined network Appliance Throughput minimum 6 Gbps ,IPSEC,Security license + IPS + IDS + Application control + Malware Protection, Zero Day Attack protection	4
2	<b>Type-B</b> Corporate office /GA/District -Tier 1	Minimum 400 Mbps of throughput with services like , IP-Sec, Security license IPSEC,Security license + IPS + IDS + Application control + Malware Protection, Zero Day Attack protection	26
3	<b>Type-C</b> Branch office /District -Tier 2/3	Minimum 200 Mbps of throughput with services like SD-WAN, IP-Sec, Security license, IPSEC,Security license + IPS + IDS + Application control + Malware Protection, Zero Day Attack protection	90

Note The date on which the complete system is installed will be taken as the date of installation. In case of part installation of the system, the date of last items installed will be taken as the date of installation.

## 6. Implementation

Bidder shall be responsible for implementation of complete solution at both PR DC at GIFT City Gandhinagar & DR DC (currently in SURAT), Branch offices as per the **Annexure -1 List of GEL and GSPC Locations** within 8 weeks from delivery of Hardware.

## 7. UPTIME and Service Level Agreement

- Selected Bidder will sign service level agreement as per the format provided in Uptime with GEL to ensure % uptime for entire network and Uptime for individual site as per Uptime table SLA. ISP should provide SLA compliance tool and reports.
- Bidder will have to enter into a detailed Service Level Agreement with Gujarat Energy Ltd . SLA will include essential parameters as given below:
- Working days: Seven days a week (Monday to Sunday).

- Networking Availability Requirements: 24 hours for all locations.
- The percentage uptime shall be calculated on monthly basis as follows:
- Helpdesk (with preferably toll free number): 24 hours
- Service will include following parameters:
- The percentage can be calculated on monthly basis as follows

$$\text{Availability (\%)} = ((\text{Total Nos of hours in a month} - \text{Total outage hours in a month}) \times 100\% / (\text{Total NOs of hours in a month}))$$

Sr No	Descriptions	Uptime
1	SDWAN Appliance at Type -A DC & DR	99.50%
2	SDWAN Appliances at : Type-B (Corporate office) Type-C (Branch office/GA/Warehouse/CNG Stations)	98.50%

## 8. Penalty

Bidder should adhere to committed uptime SLA for all SDWAN appliances , penalty will be applicable as per below chart for non-adherence to SLA. Penalty will be calculated on Monthly basis and deducted from the next quarterly invoice.

SDWAN Appliance	Monthly Uptime (Availability –A) %	Penalty for non-availability of SDWAN
Type A Datacentre – PR DC and DR DC	A >= 99.50%	No Penalty
	98.50=<A<99.50	1% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value.
	97.50>=A<98.50	3% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value
	96.50% =< A < 97.50%	5% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value
	95.50% =< A < 96.50%	10% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value

	A < 95.50%	Penalty at an incremental rate of 5% (in addition to a base of 10%) of yearly invoice value of the respective location for every 0.10% lower than the stipulated uptime subject to max 10% of yearly support basic PO value
Type B Corporate office & -Type C GA/Zonal/Warehouse/Branch office	A >= 98.50%	No Penalty
	96.50% <= A < 98.50%	1% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value
	94.50% <= A < 96.50%	5% of the yearly invoice value of respective location subject to max 10% of the yearly support basic PO value
	A < 94.50%	Penalty at an incremental rate of 5% (in addition to a base of 5%) of yearly invoice value of respective location for every 1.00% lower than the stipulated uptime subject to max 10% of yearly support basic PO value
Hardware delivery	16 Weeks from Issuance of PO	Penalty of INR 1000 per week in case material is not delivered at desired location and as per RFP timelines
Implementation and Go-Live	8 Weeks from Delivery of Hardware	Penalty of INR 1000 per week in case Installation is not done as per RFP timelines

**Calculation of uptime:** To find the total penalty for the year, sum up the penalties for each month.

- The penalty charges will be subject to an **overall cap of 10% of the Overall Basic PO value** with all the amendment done till contract period,

## 9. Payment Details

- Bidder should send all of their invoice via GEL vendor portal for invoice processing with digital Signature.
- The GST should be indicated separately as per the Commercial Bid Form.
- Bids shall be quoted and payment shall be made in Indian Rupees only for the services
- Invoice must be generated with IRN & Digital signature.
- Invoice must be generated in quarterly as per GEL requirement.
- No payment shall be made to the vendor until Performance BG is submitted and duly verified with the Issuing Bank by GEL.

- g. The bidder may raise invoices on a quarterly basis in arrears and payment will be released on a quarterly basis, upon satisfactory delivery of the services for the said period, subject to any penalty levied on the supplier with the confirmation from Engineer- In – Charge.
- h. No additional payment apart from the tender bid value will be done under any circumstances.
- i. All payments will be made by adopting electronic clearing system and electronic fund transfer.
- j. Deduction of Income Tax, Goods and Services Tax and other applicable statutory duties would be as per the extant laws.

Sr no	Description	Payment terms
1	Hardware with warranty support-One year	<ul style="list-style-type: none"> <li>70% of payment on hardware delivery of devices with all necessary software licences, accessories, cables etc. across all GEL /GSPC Locations</li> <li>30% of payment on successful installation and commissioning of all Hardware and submission of installation report duly signed /certified by GEL Network SME</li> </ul>
2	Support for 2 <sup>nd</sup> , 3 <sup>rd</sup> ,4 <sup>th</sup> and 5 <sup>th</sup> Year	<ul style="list-style-type: none"> <li>Yearly advance payment.</li> </ul>

## 10. Buyback requirement

The successful bidder has to buy back the existing devices/equipment (e.g. CISCO 1900 routers etc.) as mentioned in commercial bid (Refer Annexure – 1 List of IT Device for Buyback).

## 11. Warranty /AMC Support

Comprehensive part, Labour & configuration warranty/support for 5 years (start from the date of Installation signed report) for all items mentioned in the Schedule of Rates (SOR).

## 12. Defect Liability: Not Applicable.

## 13. CPBG: Applicable as per General terms and conditions.

## 14. QHSE REQUIREMENTS

### SCOPE AND APPLICATION

Contractor/Service providers are the key stake holder and an integral part of ENERGY Gujarat Eneergy Ltd (GEL's) business. Contractors'/Service provider' Quality, Health, Safety and Environment (QHSE) performance reflects on the company's business performance and reputation. GEL has established QHSE Management Systems, Procedures & Guidelines to ensure compliance with GEL's QHSE requirements. These requirements apply to all jobs whilst conducting work for GEL including; Project, Construction, Operation & Maintenance, Field Operations and Services within any given contract or agreement.

The overall objective of QHSE management in contract/agreement is to improve the company and Contractor's/Service providers' QHSE performance in all aspects of activities. Active and on-going participation by both the GEL and Contractor/Service provider is essential to achieve this objective.

### RESPONSIBILITIES

It is responsibility of GEL management and staffs to ensure that all Contractors/Service providers work under their direction & control are provided with relevant Integrated Management System (IMS) Policies, Procedures & Guidelines that describe the GEL requirements for undertaking work within the company. It is also the responsibility of Contractors/Service providers to ensure that their staff are informed of and comply with GEL's requirement whilst working for the company.

GEL HSE department provides advice and assistance on QHSE requirements across the complete spectrum of all work activities. Contract Owner (Department Head) and Contract Holder (Work in-charge) are responsible to ensure safe execution of work/service include the following:

1. Ensuring that the QHSE Policy, Procedures & Guidelines are known and understood by all contractors'/service providers' staff and work force
2. Monitoring, Inspecting & Auditing execution of work, activities to ensure adherence to the QHSE compliance requirements

The Contractors'/Service provider' will take the responsibility for implementation of GEL's QHSE Policy, Procedures, Guidelines and other requirements with the advice and support of the GEL's Contract Owner / Contract Holder and HSE representative.

Contractor/Service provider to ensure that all aspects relating to QHSE are adequately addressed and implemented in accordance with the GEL QHSE requirements and QHSE Management Plan, which shall include the management processes and activities to be implemented during the course of work with GEL.

Contractor/Service provider shall be responsible for ensuring that adequate HSE resources are put in place to enable satisfactory implementation of QHSE Management Plan.

This responsibility also applies to ensure the Health and Safety of the people are directly and indirectly engaged / involved whilst working or present at GEL's work area / sites.

### EXECUTION

3. Contractor/Service provider is responsible to ensure the compliance with GEL QHSE requirements. GEL overall QHSE performance is directly influenced by the contractors' performance.

4. Contractor/Service provider is responsible for QHSE compliance monitoring at site/work activities to ensure that work/activity is performed in a safe manner. Moreover, they are responsible for reporting of all incidents, Hazard and Near Miss that might happen during work/activity
5. Contractor/Service provider shall follow and comply with GEL "Work Permit" system During work execution and activities, GEL team will regularly monitor and evaluate the performance of the Contractor/Service provider to identify the shortfalls and weaknesses and assist to improve the overall performance including QHSE performance through CPAR process (as applicable)
6. We believe that everyone at GEL, Employees, Contractors, Service providers and Associates have the right to go home safely to their families.

QHSE Defaults and Penalties (As applicable)		
SN	Description	Penalty amount (will be decided by Contract Owner)
1	Lost Time Injury	Rs. 2500 / Instance
2	Non-compliance - HSE Engineer	Rs. 500 / instance
3	Un authorised work	Rs. 500 / instance
4	Work without PtW/WA	Rs. 500 / Instance
5	Non-compliance - Safety Training Card (STC)	Rs. 500 / instance
6	Non-compliance - Health Check up	Rs. 500 / instance
7	Non-compliance - PPEs	Rs. 500 / instance

Remark: Issuance of MEMO against HSE non-compliances including above mentioned defaults shall be decided by Contract Holder. Contract holder shall consider penalty for all defaults and levy maximum of amount applicable and not the sum of all penalties applicable in above table.

#### **QHSE GUIDELINE (AS APPLICABLE) FOR ALL TYPE OF CONTRACTS**

- Contractor/Service provider...
  - a) Shall ensure that all staff/work force comply with the requirements of the GEL HSE Management System, QHSE policy, standard, procedures, guideline, plan & Life Savers at work site
  - b) Shall ensure issuance of Identity Card to their team members
  - c) Shall apply and obtain Permit to work (PtW/WA) before start of the work
  - d) Shall arrange work related Personal Protective Equipment (PPEs) for their staff/work force and ensure proper use during the execution of job
  - e) Shall carry out the work within the duty hours/office hours. No Work shall be carried out without permission of GEL's representative beyond the official duty hours unless otherwise agreed upon prior to start of work and recorded appropriately
  - f) Shall ensure that all tools, tackles, appliances, machines, vehicles, instruments or other equipment are Fit for Purpose and maintained safe working condition at all times and are used only by authorized and competent persons
  - g) Shall ensure that all the QHSE requirements are properly discussed for any sub-contracted activities with GEL. No such activity shall be performed without clearance from GEL management
  - h) Shall ensure that all Hazards, Near miss, accident, incident, injuries are reported promptly to GEL. Action arises due to reported Hazards, Near miss, incident investigation; audit/inspection shall be closed out as per agreed timelines with site in-charge
  - i) Shall deploy staff & work force trained, qualified and competent for the work and well aware of risks and mitigation action/s for the activities undertaken



- j) Shall make necessary arrangements for safe custody of equipment, materials in stores/warehouse and at site shall ensure safe transportation, storage and handling of materials to prevent any damage which may impair safe performance of the equipment / material etc

Shall initiate immediate actions to hospitalize injured person(s)

- k) Shall ensure an injury free, incident free workplace and protect people from harm caused by work activities
- l) Shall ensure use of seatbelts while driving four-wheeler and use of crash helmet for Two wheeler riders during job execution
- m) Shall ensure Lock out and Tag out (LOTO) after de-energizing and double check before starting any jobs. In case of conducting job for the purpose of fault finding & monitoring of voltage & current it is to be considered live working and all PPE'S to be worn to avoid exposure of flash arc current
- n) Shall take note that the use of open wires in sockets, use of wires with tape joints shall not be accepted at work site.
- o) Shall ensure proper collection, storage and disposal of solid / liquid waste as per GEL procedure and guideline
- p) Staff/work force shall not smoke or resort to misuse of drugs, medicines or alcohol while on duty
  - In case of any incident like fire, ENERGY leakage etc. due to gross negligence of the Contractor's staff/work force, GEL reserves the right to impose penalty up to actual damage cost and or termination of work order depending upon the gravity of the situation.
  - Any breach of the QHSE requirements shall be deemed by the company to be a material breach of the terms & condition of the contract. GEL shall be entitled to take appropriate actions including instructing the contractor to (a) remedy the breach; (b) suspend the work or (c) terminate the contract.

All activities shall be carried out as per GEL's documented procedures and QHSE requirements; deviation from it shall be dealt with very strictly.

Contractor shall ensure that all tools, appliances, machines, vehicles or other equipment, are in safe working condition

- All activities shall be carried out as per GEL documented procedure and HSE requirement, and deviation from it shall be dealt with very strictly.

## 15. Annexure – 1 List of GEL and GSPC Locations

Sr. No	Location name	SDWAN Device Type (A/B/C)	Users (Approx)	MPLS Bandwidth (Mbps)	Address
1	Infocity, Gandhinagar	B	250	100	B-Wing, Tower -2, Infocity, Gandhinagar
2	Giftcity, Gandhinagar	A	DC	250	5M8R+44W Data Centre Building, 48, Gyan Marg, Gujarat International Finance Tec-City, Gandhinagar, Gujarat 382050
3	Surat - Adajan Office	A	140	250	Gujarat Eneergy Ltd, Adajan Gam, P.O. BOX-915 Navyug College, Surat 395009, Gujarat.
4	Call Center PR	C	21	20	Cyfuture India Pvt Ltd, 502, Broadway Business Centre, Law garden Corner, Netaji Road, Elisbridge, Ahmedabad 380006
5	Call Center DR	C	5	4	103, Solaris Business Hub, Near Parshavnath jain mandir, BRTS, Bhuyangdev, Sola 380013
6	GSPC Bhavan	B	150	100	GSPC Bhavan, Sector 11, Gandhinagar
7	Amritsar HT Tower	C	33	20	Gujarat Energy Ltd. HT Tower, SCO 132, Second Floor, Ranjit Avenue B-Block, Amritsar PIN-143001 Punjab
8	Batala Office	C	10	10	Gujarat Eneergy Ltd. Ground First Floor, SRK Complex, Opp. Abhi Complex, Near Sulkhari Gate, Jalandhar Road, Batala Dist. Gurdaspur, PIN-143505 Punjab
9	Gurdaspur	C	5	6	Gujarat Eneergy Ltd. Gurdaspur Kalanpur Road,
10	Hoshiyarpur	C	12	10	Gujarat Eneergy Ltd. First Floor, JS complex, Near Basra Electricals, Near Govt. College Chowk, Hoshiyarpur Phagwara Road, PIN-146001 Punjab
11	Bhatinda New Office	C	25	20	GUJARAT ENERGY LIMITED ,Opposite to Lake No. 3   Beside Green Resorts, Goniana GT Road, Bathinda Punjab   151003

12	Faridkot	C	12	10	GUJARAT ENERGY LIMITED C/o.- Ravinderjit Singh,Ground Floor, Batth Complex, Old Cantonment Road,
13	Sirsa Office	C	15	10	GUJARAT ENERGY LTDSCF 26 , Near ENERGY Huda Office Sec- 20 , HUDA Sirsa - 125055
14	Ankleshwar Main Office	B	55	30	GUJARAT ENERGY LIMITED ,Surti Bhagol, Umarwada Road,via Piraman Naka Ankleshwar - 393001 Gujarat
15	Dahej	C	7	6	GEL Station,Plot No. CH-14, RS No. 746/P & 747/P,GIDC Dahej,Taluka Vaghra Bharuch - 392130 Gujarat
16	Bharuch Main Office	C	17	10	GUJARAT ENERGY LIMITED,Son Talavadi, Near Anand Mangal Society Bharuch - 392001 Gujarat
17	Bhavnagar GA	C	37	20	GUJARAT Energy LIMITED - 101, First Floor,Iscon Parasmani,Opp. Doctor Hall Diamond Chowk,Opp. Mahila College,Bhavnagar - 364001
18	Palitana	C	1	4	GUJARAT ENERGY LIMITED - 10 & 11,Shiv Prome Complex,Ground Floor,Gariyadhaar Bypass Road,Palitana - 364270.
19	Sihor	C	1	4	GUJARAT ENERGY LIMITED - Shop No : 18, 19 & 20, Ground Floor, Infinity Mall, Bhavnagar Rajkot Highway, Sihor - 364240.
20	Amreli GA.	C	14	10	GUJARAT ENERGY LIMITED - Pareshbhai Acharya Bulding, 1st Floor, Behind Jilla Panchayat, Civil Hospital Road, Amreli - 365601.
21	Botad	C	7	6	GUJARAT ENERGY LTD- Narmada Complex, 1st Floor, Jawahar Nagar, Panjwani Kanta, Opp. Panjab National Bank, Paliyad Road, Botad - 364710.
22	JAMANAGAR/Chela	C	2	4	93R2+8F9, Jamnagar - Lalpur Rd, Chela, Gujarat 361012
23	Jamnagar coco	C	25	20	Opp Mehul Cinema,Jamanagar - Khambhaliya Road,Near Samarpan Circle Jamnagar Jamnagar - 361006

24	Morbi Zonal Office	B	70	50	Gujarat Energy Limited., Plot No. 47,48,55,56, Shakti Industrial Estate, B/h. Shakti Chamber, Opp. Suncity Ceramic, Morbi-Wankaner Highway, Morbi - 363642, Gujarat, Phone: +91-2822-244002, 3, 4 Fax: +91-2822-244005
25	Morbi City Office	C	3	4	Gujarat ENERGY Limited., kanak Complex, Sanala Road, Near Chotalaal Petrol pump, Morbi - 363641, Gujarat
26	Kutch/bhuj	C	20	20	Gujarat ENERGY Limited., Time Square Empire, Shop No 24, 123 & 124, Survey No 870/11, Bhuj Mirzapar Highway, Nr. GMDC Guest House, Bhuj, Kutch - 370001, Gujarat Phone: 02832-230006, 230008
27	Dabhan Zonal Office	C	17	10	B/H Gujarat ENERGY CNG Pump, Opp Chintamani Automobile, Near Asian Food, NH-8, Dabhan-387330
28	Nadiad	C	10	10	Shop No. G-01 & G-02, Ground Floor, Dutt Arcade Opp. TGB Hotel, Santram Dairy Road, Nadiad - 387002 District: Nadiad
29	Khambhat	C	10	10	Survey No. 10/P, Property No. 897, Opp. ONGC Main Gate, Nr. Yogi Park Society, Kansari. Khambhat - 388630 Gujarat
30	Kheda	C	5	4	Shop No. 9 & 10, Devadi Blossom, Kheda Matar Road, At & PO Sokhada Patiya, Kheda-387411
31	Memdabad	C	7	6	F-123, Vatsalya Complex, Opp New Civil Court, Mahudha road, Mahemdabad-387130
32	Silvai	C	7	6	Survey no. P1/649 GEL & GSPC CGS Station, Near GSPL, Silvai-388160
33	Mahudha	C	3	4	Shop no.20-21-22, First Floor, Swaminarayan complex, Dakor road, Mahudha-387335
34	Chapra	C	2	4	Gujarat ENERGY CNG Pump, Kheda-Mahemdabad Road, Chhapra-387130
35	Vaso	C	2	4	001, Nidhi Arcade, Vaso-Alindra Chokdi, Vaso-387380
36	Vataman	C	1	4	Vataman CNG COCO Office, Galiyana, Tarapur - 388180

37	Halol	C	15	10	GA-Location Halol Gujarat ENERGY Limited., 1st Floor, Gujarat ENERGY CNG Station,Near Government Rest House,Vadodara Road, Halol - 389350, District: Panchmahal, Taluka: Halol
38	Godhra	C	5	4	GUJARAT ENERGY ,Godhra Ground Floor,Shri Swaminarayan Heights,Near Deep Hospital,Gadukpur Chokdi,Bamroli Road,  Godhra – 389001 District: Panchmahal,Gujarat
39	Dahod GA	C	12	10	GA-Location Dahod  Dwarkesh,1st Floor Revenue Survey No. 114/Paiki 1/Paiki 2,Near Sai Petroleum & BJP Office,Chhapri,Jhalod Road,Dahod-389151
40	Vavdi Narmada	C	4	6	Gujarat ENERGY COCO LCNG Station, Survey No. 424, Village: Vavadi, Tal: Nandod, Dist: Narmada.  Vavadi - 393145  Gujarat
41	Kevadiaya	C	1	4	Gujarat ENERGY  R.S. No - 422 & 423, Village : Kevadiya, Tal. Garudeshwar  Garudeshwar - 393151 Dist: Narmada
42	Navsari	C	27	20	Gujarat Eneergy Ltd,1st Floor   Sapphire Building,  Opp - Tata Hall   Dudhiya Talav Road  Navsari, GUJARAT 396445
43	Bilimora	C	14	10	Gujarat ENERGY CNG Station, Survey No 624/1, 624/2, 631,  Near Gram Panchayat, Nandarkha, Bilimora - 396325  District: Navsari, Taluka: Gandevi

44	CNG Mother Station Greenland- Rajkot	C	10	6	Gujarat ENERGY Limited, Nr. Greenland Chokdi, Opp Greenland Hotel, Marketing Yard, Rajkot Porbandar National Highway Rajkot - 360003.
45	Rajkot Kalavad	B	56	50	Gujarat ENERGY Limited, C/o Gujarat State Petronet Limited, Opp. Kalaniketan Apartments, R. K. Park main road, behind Rani Tower, Kalawad Road, Rajkot Pin - 360005.
46	Jamvadi/thangadh	C	12	10	Gujarat ENERGY CNG Station, Near Villgae Jamvadi, Thangadh-Chotila Highway, Thangadh, Gujarat 363530
47	Limbadi	C	5	4	GUJARAT ENERGY PNG /CNG OFFICE, Swamivivekanand Complex, opp. Krishna Hotel, Limbdi, Gujarat 363421
48	Wadhwan\ Surendranagar ZO	C	22	20	Gujarat ENERGY CNG Station, Opp. Bapaitaram Madhuli, Kothariya Road, Wadhwan, Gujarat 363030
49	Loliya	C	1	4	Gujarat ENERGY CNG Station, Bagodara-Dhandhuka Highway, Loliya, Gujarat 382465
50	Baldana	C	1	4	GUJARAT ENERGY Station, Limbdi - Rajkot Highway, Baldana, Gujarat 363421
51	Boisar	C	21	30	GUJARAT ENERGY LTD- Plot No : J 247/5, Near Khaira Phata, Tarapur Industrial Estate, MIDC, Boisar, Dist. Palghar, Boisar West - 401505 (Maharashtra)
52	Vasai	C	24	30	ENERGY GUJARAT ENERGY LTD- Joy Villa ground floor, Ever shine City, Main Gate, Behind Celebrity Hotel, Gokhivare, Vasai East- 401208 (Maharashtra)
53	Virar Ware house	C	1	4	GUJARAT ENERGY LTD- Survey No 131/02, Panchurkha Near Khaivade Toll Naka Virar Highway- 401305. (Maharashtra)

54	Umargam	C	4	4	Plot No-179/1, Ground Floor, Shree Siddhivinayak Complex, Opp. Soham Ship Complex, GIDC Colony, Station Road, Umargam - 396171, Gujarat
55	Bhilad	C	6	6	Shop No-3 & 4, Siddhivinayak Nivas, Near Railway Crossing, Bhilad-Sanjan Road, Bhilad - 396105, District: Valsad, Gujarat
56	Silvasa	C	9	6	Shop No-147 to 149, First Floor, Landmark Complex, Silvassa -Khanvel Road, Before District Court, Silvassa - 396230, Dadra and Nagar Haveli
57	Vapi Zonal Office	C	27	30	Plot No. C-5 /101/1 of GIDC, Opp: CNG Station- Tanu Motors, Nr. GIDC Char Rasta, N.H No.-08, Vapi - 396195, Gujarat
58	J-Type	C	6	6	Plot No-2910, J type area, Vapi GIDC, Vapi - 396191, Gujarat
59	Vankal	C	2	4	Plot No-55/P/1, Vankal, Vankal Dharampur Road, Valsad State Highway, Dharampur - 396007, District: Valsad, Gujarat
60	Ratlam	C	11	20	Gujarat Eneergy Ltd.12/1, Shiv Sai Complex,Fountain Chowk, MHOW Neemuch Road,Ratlam-457001 Madhya Pradesh
61	Ujjain	C	19	20	Gujarat ENERGY Limited,Plot no. C/25/3,2nd Floor, Aasra Tower,Opp.Cosmos Mall, Mahakal Vanijyik Kendra, NanaKheda,Ujjain- 456010 Madhya Pradesh
62	Nagda	C	2	4	Gujarat Eneergy Ltd. Behind Kalika Mata Mandir,Varco City Road, Bengoli Colony,Nagda-456335 Madhya Pradesh

63	Sirohi	C	1	4	Sarneshwar COCO Station , Plot No: CP1(A), RIICO Sarneshwar Industrial Area, Sirohi,307001
64	Sanand Zonal Office	C	28	30	Shop No. 101 to 102 Gokuldham Arcade,Above HDFC Bank Sanathal - Sanand highway, Sanand, Ahmedabad – 382210 Gujarat
65	Sector 5 Gandhinagar	B	35	30	Gujarat ENERGY Limited., Between G-2 & G-3 Circle, G - Road, Sector 5, Gandhinagar - 382005, District: Gandhinagar, Gujarat Phone: +91-79-66713333, 66710000
66	Chandkheda	C	9	6	Gujarat ENERGY Limited., Shop No. - 136 to 142, Orange Mall, Near Chandkheda ST Stand, Chandkheda, Ahmedabad - 382424, District: Ahmedabad, Gujarat Phone: +91-79-23972100, 23972580
67	Abu Road Akrabhatta	C	19	20	To, Ajmer Tower, 1st Floor,Opp Akkar Bhatta, Besides Navneet Moter, Mount Road, Abu Road - 307026 Rajasthan Suhag Patel :- 7574819946.
68	Dungarpur Office	C	7	6	Gujarat ENERGY Limited,C/o, Vinodkumar Jain,First Floor, Above Sajjan Shringar,Pratap Nagar, Dungarpur,,State-Rajasthan`
69	Banswara Office	C	4	6	GUJARAT ENERGY LTDopp-virangana talkies, Near jangid furniture,banswara,rajasthan, 327001
70	Sanand CNG Office	C	1	4	Gujarat ENERGY Limited., CNG Station, Near TATA NANO Plant, Village- Chharodi, Sanand. Pin-382170. Phone : 7574819912
71	Pardi	C	5	4	Shop No. – 126, Rudra Arcade, Near New Mamlatdar Office, Damani Japa, N.H.-48, Pardi, Pardi - 396125, Gujarat
72	Valsad	C	13	10	First Floor, Madhumani Park, Beside Rajhans Cinema,



					Valsad - Parnera Road, Valsad - 396007, Gujarat
73	Sanand East (SE1#A1)	C	4	20	Opposite Sureel willows flat Krishna Shelby hospital Ghuma ahmedabad.
74	Sanand East (SE#1)	C	4	6	Bopal,Behind Krishna hospital,Near Greencity,Society,Ahmedabad
75	Miroli (SE#3)	C	2	20	Maipur village sanand near ghuma village bopal
76	Ankleshwar Ank#21	C	2	20	Village Juni Divi, Ankleshwar,
77	Ankleshwar Ank#40S	C	2	20	Village : Diwa , Taluka – Ankleshwar,
78	Tarapur	C	5	20	Tarapur EPS, Mil Rampura village, Tarapur Taluka, Dist – Anand,
79	GPPC Ltd	C	12	20	GSPC Pipavav site Village: Kovaya, Ta: Rajula: Dist: Amreli 365541
80	Kerala GIDC 1403 Office Area and Ware house	C	4	30	1403 Kerala GIDC Bavla, Dist. Ahmedabad ()
81	Kerala GIDC 1511 Pipe Yard	C	0	10	Kerala GIDC 1511, Bavla, Dist. Ahmedabad (NPLC) ()
82	PK#2 Ingoli	C	2	30	PK#2, Ingoli, Nr. Pisawada Village, Cadilla Trasand Road, Dholka
83	Balpura	C	2	20	GSAH#5 QPS, Balpura field, Village: Balpura, Taluka Dholka, Dist Ahmedabad ()
84	Navagam	C	2	10	GSPC, Village Navagam, Near Bareja Crossway, NH No. 8, Ahmedabad ()
85	GSEG Ltd	C	10	20	148, Village Mora, Post: Bhatha, Opp. L&T Gate No. 3A, Surat-Hazira Road, Surat – 394510()

Sr. No	Location	SDWAN Device Type (A/B/C)	Internet lease line (1:1) Bandwidth (Mbps)	Address
1	GIFT City	A	100	5M8R+44W Data Centre Building, 48, Gyan Marg, Gujarat International Finance Tec-City, Gandhinagar, Gujarat 382050

2	Surat	A	100	ENERGY Gujarat Eneergy Ltd,Adajan Gam, P.O. BOX-915 Navyug College, Surat 395009, Gujarat.
3	GSPC Bhavan	B	50	GSPC Bhavan, Sector 11, Gandhinagar
4	GPPC	C	6	GSPC Pipavav site Village: Kovaya, Ta: Rajula: Dist: Amreli 365541(
5	GSEG	C	6	148, Village Mora, Post: Bhatha, Opp. L&T Gate No. 3A, Surat-Hazira Road, Surat – 394510(

Sr No	Type	Address (A side)	Address (B side)	Approx user	Point to Point Bandwidth (Mbps)	Remarks
1	B	GSPC bhavan Behind Udyog Bhawan, Sector-11, Gandhinagar, Gujarat 382010 .	Gujarat State Energy Generation Ltd. (GSEG),FF Shade No. A/78/3-8, GIDC Electronic estate, Nr. Patni computer (iGate),Sector-25, Gandhinagar-382016, Gujarat	25	20	Point to Point (P2P) LINK on Fiber
	B		M/s GSPC Pipavav Power Company Ltd. (GPPC),FF Shade No. A/78/3-8, GIDC Electronic estate, Nr. Patni computer (iGate),Sector-25, Gandhinagar-382016, Gujarat			
2	B	GSPC Bhavan Gandhinagar	GIPL Udyog Bhavan office	150	100	Point to Point (P2P) LINK

**Note : Final sheet shall be shared at the time of contract award with all details.**

## 16. Annexure-2 List of IT network device for Buyback

SN	GA Zone	Location	Make & Model	Serial Number
1	Amreli	Amreli	CISCO1905/K9	FGL201520MJ
2	Corporate Office	GiftCity-Gandhinagar/PDC	CISCO1905/K9	FGL161421VC
3	Gandhinagar	Chandkheda	CISCO1905/K9	FGL163524MA
4	Central Gujarat	Nadiad	CISCO1905/K9	FGL201024UT
5	Central Gujarat	Khambhat	CISCO1905/K9	FGL201024S7
6	Aburoad	Sihor	CISCO1905/K9	FGL201024SD
7	Valsad	Valsad	CISCO1905/K9	FGL201024SA
8	Valsad	Umargam	CISCO1905/K9	FGL201024S9
9	Navsari	Billimora	CISCO1905/K9	FGL201024UM
10	Morbi	Morbi City Office	CISCO1905/K9	FGL193723UY
11	Infocity Tower -2 1st- B Wing	Infocity Tower -2 1st- B Wing	CISCO1905/K9	FGL201024SE
12	Central Gujarat	Kheda & Matar	CISCO1905/K9	FGL201024S5
13	Valsad	Vankal	CISCO1905/K9	FGL201520M1
14	Valsad	Bhilad	CISCO1905/K9	FGL201024SB
15	Surendranagar	Limdi	CISCO1905/K9	FGL201024S8
16	Central Gujarat	Godhra Office	CISCO1905/K9	FGL201024SC
17	Valsad	PARDI	CISCO1905/K9	FGL201024UL
18	Rajkot	Sector-5	CISCO1905/K9	FGL201024SF
19	Central Gujarat	Mahuda	CISCO1905/K9	FGL201024UR
20	Nadiad	Memdabad	CISCO1905/K9	FGL201520M8
21	Surendranagar	Loliya	CISCO1905/K9	FGL19292003
22	Bhavnagar	Botad	CISCO1905/K9	FGL201024TC
23	Thane	Thane Zonal Office	CISCO1905/K9	FGL194823B6
24	Gandhinagar	Sanand CNG	CISCO1905/K9	FGL194823B9
25	Corporate Office	Nagda	CISCO1905/K9	FGL201024S1

26	Jamnagar	Jamnagar City office	CISCO1905/K9	FGL201520M2
27	Corporate Office	Hoshiarpur	CISCO1905/K9	FGL201024S4
28	Nadiad	Silvai	CISCO1905/K9	FGL2221807C
29	Halol	Halol Zonal Office	CISCO1905/K9	FGL2221800Q
30	Bharuch	Dahej	CISCO1905/K9	FGL201520LX
31	Valsad	Vapi J Type	CISCO1905/K9	FGL2332320S
32	Central Gujarat	Vaso	CISCO1905/K9	FGL2332321B
33	Central Gujarat	Dabhan	CISCO1905/K9	FGL182821MT
34	Surendranagar	Jamvadi	CISCO1905/K9	FGL23323214
35	Valsad	PARDI	CISCO1905/K9	FGL153720AP
36	Central Gujarat	Vaso	CISCO1905/K9	FGL201024UN
37	Gandhinagar	Sector-5-Gandhinagar	CISCO1905/K9	FGL201024S3
38	Gandhinagar	Sector-5-Gandhinagar	CISCO1905/K9	FGL201520M9
39	Corporate Office	Infocity Tower -2 1st- B Wing	CISCO1905/K9	FGL201520MD