



Knowledge Consortium of Gujarat

Department of Education, Government of Gujarat

C/79

No. KCG/2017-18/ 3022

Date: 03/11/2017

To,
General Manager (EB),
Bharat Sanchar Nigam Limited,
Ahmedabad Telecom District

Revised NAMO Wi – Fi Campus Work Order

Sub: Work order for Providing Wi-Fi services (Design, Built, and Operations & Management) in various Government Colleges and Universities.

Ref: BSNL Proposal for providing Wi-Fi services across Gujarat State dated _____

Dear Sir,

With reference to the above-mentioned subject, we are pleased to award you the Work providing WiFi services (Design, Built, and Operations & Management) in various Government Colleges and Universities as mentioned in **Annexure A** for and on behalf of **Knowledge Consortium of Gujarat** at 110 Campuses across the state as per following unit rate:

Unit Hot- Spot at one Building Location:

Access Points	ILL BW Mbps	Fixed CAPEX in RS.	Base ILL rate per annum in Rs.	Total For five years for 1 Hot spot in Rs.	Total WO Value for 5 years.
7	100	1,75,000/-	2,16,000/-	12,55,000/-	24,84,90,000/- (Excluding Taxes)

Terms & Conditions:

1. BSNL has to setup Wi-Fi infrastructure at 110 locations such as Government Educational Institutes, State Universities through deployment of wireless Access Point's (APs) for providing internet access.
2. The WiFi setup should cover classrooms, corridor, library, laboratories, common rooms etc., in each institute as decided by a committee headed by the principal and two student representative and a representative of faculty.
3. The execution shall be based on the service model wherein the BSNL will have to provide Wi-Fi Services through such Hotspots which shall include all required Hardware, software and internet bandwidth.
4. To monitor the services, BSNL will appoint a Third-party agency which shall monitor the day to day operations of the project, to enable the same, the BSNL will have to provide the access to its NMS with admin rights at the State Data Center to monitor, check and generate various MIS reports like quantum of traffic, Bandwidth availability & utilization etc.
5. Contract Period : Five Years

6. Design parameters:

- i. Development of Digital Education Development Network (DEDN) under Education Department, Government of Gujarat through Knowledge Consortium of Gujarat (KCG) for providing internet to the Students by setting up of public Wi-Fi Hotspots spread across multiple institutes in the state of Gujarat.
 - ii. To providing end- to -end solution for setting-up (required Hardware at central & edge locations, software, Internet Bandwidth, SMS & Payment gateway) and O&M of Wi-Fi hotspots at multiple cities across the state.
 - iii. To design a State-Wide DEDN Wi-Fi Infrastructure across multiple cities with a single SSID
 - iv. The Wi-Fi infrastructure shall include one or more zones/hotspots in every institute/university. Each Hotspot shall contain 7 Access points at various locations specified in Annexure A.
 - v. Hotspot's shall provide seamless coverage within its range and provide seamless transition within the Hotspot as well as between different Hotspot of the Wi-Fi Infrastructure.
 - vi. The Authentication periodicity of the Internet users should be configurable based on policy such as time duration, no. of days etc.
7. The BSNL will have to install the Access Points at suitable location to receive the maximum coverage of the Hotspot. BSNL is responsible for supply, installation, commissioning and maintenance of such mounting structure for AP's (as per requirement) along with required clamp, cable (Active & Passive) and accessories at each site/location.
8. The proposed solution should allow the KCG to have the user management and monitoring rights for the Wi-Fi network created for the project.
9. The access to the User Management/Monitoring Module for the KCG or its authorized agency should be given as a part of the solution and should support features such as Dashboard, SLA Monitoring, MIS Reports, User authentication through OTP (One Time Password) on mobile no. and email.
10. Initially, the plan is to provide internet access free of cost to the end users, however in future, the KCG may decide to charge beyond the capped usage limit, therefore the proposed solution should be capable to allow users to buy in the extras usage access.
11. The BSNL will be responsible for end to end process and operations of Wi-Fi services including SMS & Payment Gateway and other associated services. The BSNL will also have to provide a centralized billing mechanism based on the Wi-Fi usage under this project.

12. Logs of Wi-Fi usage:

- i. The BSNL shall be responsible for keeping log of Wi-Fi services to be utilized by the end users such as IP details, URL Visited, time stamp/time details, End User Authentication, Mobile No. MAC & IP addresses, access time, duration, data consumed, etc. to meet the compliance with all Regulatory and Legal guidelines issued by Department of Telecommunications/TRAI from time to time.
- ii. The KCG may at any time ask the BSNL to provide logs from the storage and maximum log retrieval time allowed is 8 hours.
- iii. The BSNL is free to maintain the logs at the state/district/regional level, however the same has to be fetched and provided to the KCG on a single platform.

13. The Web & Mobile App based user access Portal (Captive Portal) Solution:

- a) The Wi-Fi login will be routed through the NAMO e-TAB App of Education Department.
- b) User registration through NAMO e-TAB portal and NAMO e-TAB mobile application.

- c) The Web/WAP page should support various handheld devices such as Smart Phone, Tablets etc.
 - d) For logging into the AP at client end, BSNL will make a mobile app (Android, ios, windows platform) to allow signing into the network through mobile app.
 - e) It should allow customization like branding, Publication of information, payment options, user manual & FAQ etc. on captive portal/Mobile App throughout the contract period.
14. The WiFi solutions should be capable to categories the users, as and when required by the KCG.
 15. The proposed solution should be capable of generating various MIS reports on a dashboard in graphical/ pictorial representation such as:
 - i. No. of Users with details: IP details, MAC ID, Access Point, Channel Wise etc.
 - ii. Internet Usage: User wise/ Access Point/ Location wise etc.
 - iii. Total Bandwidth Available on each AP/Hotspot and its Usage
 - iv. All Reports related to SLA & project Monitoring.
 - v. Change management reports: Configuration, firmware, patches, upgrades etc.
 - vi. Data usage and billing details
 - vii. Geography based grouping of all the reports i.e. Per Hotspot, Per City, Per Zone, Per District, Per Cluster, State etc.
 - viii. Any other reports that may be required from time to time
 16. Proposed wireless solution is intended to provide 24x7 wireless Internet access at all Site(s).
 17. The BSNL is responsible to ensure that the device is protected against any electrical surge/spikes. In order to achieve the same BSNL may install surge protector, have earthing, etc. if required.
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18. **Internet Bandwidth Provisioning:**
 - i. Internet bandwidth is to be provided as per the Annexure A
 - ii. The solution must be designed by the BSNL in such a way that the user gets download internet speed of at least thrice than the Upload Speed.
 - iii. The bandwidth provided in annexure refers to the download bandwidth.
 - iv. **Last Mile:** The internet Bandwidth has to be provided on fibre only.
 - v. The Third-party agency appointed by the KCG/GIL will randomly check the availability of the required bandwidth at any of the institute, in case if it is found to be less than the ordered bandwidth more than 3 times in any Quarter, the KCG may terminate the contract and forfeit the PBG.
 19. Proposed wireless solution should conform to applicable WPC regulations for use of license-free spectrums in terms of EIRP. A declaration to this effect must be submitted which must be supplemented by periodic compliance reports during the project period.
 20. The number of Site/locations mentioned in this RFP may increase during the duration of the project, therefore for the future orders, the BSNL may supply Access Points of any make and model from the OEM featured in Gartner Magic Quadrant for wired and wireless LAN, 2016 complying to the technical specification of the RFP at the discovered prices only. The BSNL shall adhere to all the technical as well as commercial terms irrespective of the location of the Site.
 21. The BSNL will have to carry out an initial assessment of the site locations. The tentative list of locations is mentioned in **Annexure A**.
 - a) BSNL will survey different locations of NAMO Wi Fi Project and maintain the **Annexure B**.
 22. **Wi-Fi Zone Signage's:** The BSNL will have to provide and install and maintain Wi-Fi Hotspot/ Zone Signage/Banner at each AP/Hotspot as the case may be confirming minimum specifications mentioned below:

- a) The sign board material should be made of Sun Board with UV printing on both sides (as the case may be) for greater visibility
- b) The Size should be a minimum of 2 Ft (L) x 1 Ft (B) or bigger for clearly informing users of the existence of Wi-Fi Hotspot/Zones.
- c) Min of 1 Nos. of such Sign Board/Banners has to be installed per Access. However the BSNL will have to consider the sizing ensuring complete coverage of the Hotspot/zone area.
- d) The Content to be printed on the banner/sign Board shall approved by the KCG.

23. Help Desk Support:

- a) The KCG will provide centralized Helpdesk for assistance or registration of user complaints through various medium like Voice Call/SMS/Email of ticket generation system. BSNL is responsible for coordination with the Helpdesk operator for early resolution of the complaints/request booked at the centralized helpdesk provided by the KCG.
- b) On ticket generation at the centralized helpdesk, the calls pertaining to the Wi-Fi infrastructure created under this RFP will be allotted to the BSNL for further resolutions of the complaints booked.
- c) After rectifying the said compliant, BSNL is required to update the resolution/call-closure on the centralized helpdesk and the confirmation for the rectification shall be done on visibility in the deployed NMS.
- d) The BSNL will further have to provide and publish a troubleshooting guide and necessary training for the existing Helpdesk Operators to provide L1 level support to the end user.

24. Functional Requirement:

24.1 Access Point:

- a) Access point shall allow wireless access through various types of devices like smart phones, laptops, tablets, desktops etc. Every Access point should support:
 - i. Should support IEEE 802.11 ac standard with dual radio 2.4 Ghz and 5 Ghz
 - ii. Minimum data transfer rate of 150 Mbps
 - iii. Minimum 70 Meters radial coverage for Access Point
 - iv. Minimum 50 concurrent users @ each radio
 - v. Should support min 4 SSID
 - vi. Should provide seamless roaming within the network
 - vii. Interference detection and avoidance for both Wi-Fi and non-Wi-Fi interferes
 - viii. Should also allow Signal rejection for 3G/LTE/WIMAX in a co-located environment
 - ix. Operating ambient temperature for AP should be 0° to 55°C
- b) The Access point shall be IP56 or better rated for dust and water Ingress protection.
- c) The AP should provide Omni directional antenna as required.

24.2 Features of the WiFi Solution:

- a) BSNL has to provide functionalities of all the components like WLAN Controller, Authentication, Authorization and Accounting (AAA), RADIUS, SMS Gateway, Payment Gateway, Captive Portal, customization and branding of services.
- b) The proposed solution should be able to manage the access points installed during the contract period and its concurrent users, with the subsequent expansion plan and coverage of the Wi-Fi Hotspot, the system should be able to cater to the increased no. of AP's and users accordingly.
- c) BSNL will have to ensure seamless integration of its AAA platform with the supplied Access points. The user Authentication should be done through SMS based OTP sent to the user's mobile number and email. SMS push to the telecom service provider should happen in less than 5 seconds.

- d) The solution should have integrated security capabilities such as content filtering, blocking of malicious attacks, etc. to provide security to the overall network infrastructure.
- e) Solution should allow policy level blocking i.e. initial policies to begin with should be to block pornography, torrents, pirated, poker/casino related website and contents.

24.3 Role and Responsibilities

Of BSNL

- a) End-to-End creation of Wi-Fi Infrastructure Design, Supply, Installation, testing, Commissioning and O&M of the WiFi solution
- b) Detailed Survey/feasibility study report
- c) Provisioning of Internet Bandwidth at all the Institutes
- d) Provisioning of required and necessary manpower for The running of the project
- e) Obtain necessary clearances/ approvals from appropriate authorities
- f) Provisioning of WLAN Controller, User management system, SMS & Payment Gateway and other required infrastructure
- g) Adherence to the regulatory requirements like keeping log of end user of Wi-Fi services
- h) Adherence and compliance to the defined SLA, Submission of MIS reports.
- i) Providing dashboard for the network monitoring and real-time status of the project.

Of KCG

- a) To provide the requisite access permission, space and raw power to the BSNL for installation of equipment's at site location's.
- b) Approval of feasibility study report for implementation of Wi-Fi infrastructure
- c) Payment to successful BSNL as per the payment schedule
- d) To help and coordinate with The BSNL to obtain necessary clearances/approvals from appropriate authorities

24.4 Deliverables:

Wi-Fi Infrastructure:

- a) The BSNL shall provide an end-to-end solution including Design, built, operate and maintain all Infrastructures related to the provisioning of the Wi-Fi services under the project.
- b) The KCG shall not pay any extra cost for any other component/service required for successful running of the proposed solution other than those mentioned in the Work order.
- c) The Overall Ownership of the field assets (Access Point's, Switch, Router, UPS etc.) shall remain with the KCG even after the project completion.
- d) In case of default/un-timely exit, the KCG may appoint/bring onboard another agency for The completion of the project.

Standards and policies:

- a) The BSNL shall ensure a secure Internet connection and access through OTP to all the subscribers with centralized authentication mechanism.
- b) BSNL shall ensure the uniqueness of mobile No. for the use under free session, multiple logins shall not be allowed in any case.
- c) Wireless access points shall be configured with relevant cryptographic keys to ensure that only authorized and authenticated users can use the wireless service.
- d) Proposed solution should be secure and in compliance to relevant industry standard security requirements. The BSNL shall suggest and help in deploying various policies at various levels to prevent any intrusion/attacks in the wireless network.

Testing & Commissioning:

i.) FAT of Hardware/Software installed:

- a) FAT of Hardware/Software like Access point installed at various locations will be deemed commissioned on discovery of the Access point in the NMS along with all other last mile devices.
- b) BSNL in coordination with the TPA and representatives from the KCG is required to conduct following test on minimum 10% of the total locations to verify the health of the installed Wi-Fi infrastructure:
 - Signal Strength**, file-transfer rate, and network authentication: As per the TEC standards, these should be conducted by the TPA or any other representatives authorized by KCG
 - SSID**: The SSIDs configured should be discoverable by any 802.11n/ac wireless enabled device.
 - Download Speed**: TPA or any other authorized representative should conduct a file download test from any device to verify the effective bandwidth/throughput.
- c) BSNL shall be responsible for obtaining installation and commissioning certificate (Sign-off) on completion of the work as per the scope of work.
- d) The BSNL shall be responsible for rectification of discrepancies identified by the TPA/any other authorized representative while conducting FAT. Further on rectification of all the discrepancies identified during the FAT will be re-conducted or if agreed FAT will be signed.
- e) Documentation: The BSNL shall provide technical documentation with equipment Installed.

ii.) Security:

- a) The entire Wi-Fi network should be fully secure; data communication between devices should take place in encrypted form through multiple authentication mechanisms such as WPA should be implemented by the BSNL.
- b) The BSNL has to ensure compliance with all Regulatory and Legal guidelines issued by Department of Telecommunications/TRAI from time to time.
- c) **Logs**: compliance of authentication, usage, URL's visited or any other compliance that may be required as per the guideline of TRAI/DoT.

24.5 Operations and Maintenance:

Operations and Monitoring of the Project Infrastructure:

- a) The BSNL shall be responsible for day to day operations and maintenance for a period of 5-years from the date of commissioning of the project.
- b) It shall be the responsibility of the BSNL to ensure that all software/firmware etc. should be updated for patches/release etc. periodically.
- c) BSNL is responsible for periodically security testing of the network to ensure any malware/unauthorized traffic flow from the network. The Report for the same has to be submitted to the KCG on half yearly basis.
- d) **NMS for Performance Reporting**
 - i. The BSNL shall operate and maintain a Network Management System (NMS) and SLA and Performance Monitoring System for the complete Wi-Fi Network. The Access to the NMS has to be provided to the KCG with full admin Rights for monitoring of the Wi-Fi Infrastructure
 - ii. The NMS system shall be configured to automatically discover all manageable elements through IP/SNMP at regular intervals in order to determine their status and working
 - iii. System generated Reports by NMS:
 - o Network Device Performance Report.
 - o New Location Connectivity Report
 - o Location wise Asset Report

- o Network and Bandwidth Utilization Report (s)
- o Successful BSNL would generate and provide Reports as stated above periodically. BSNL shall also be under obligation to provide any other reports as asked by the KCG or its user departments.

Manpower Requirement:

BSNL will make available the following manpower. The minimum requirement of manpower, their qualification and responsibility of each resource is given below:

S/N	Designation	Nos	Locations	Educational Qualification	Professional Qualification
1	Project Manager	1	KCG Ahmedabad	BE/ B. Tech (EC/CS/IT) / MCA/MBA	Minimum 8-10 years of experience with handling and managing Large scale WAN/MAN/Wi-Fi Project having Min 50 multiple locations as a Project Manager
2	Network Cum Operation Manager	1	KCG Ahmedabad	BE/ B. Tech (EC/CS/IT) / MCA	Minimum 5 years of experience with handling operations and managing Large scale WAN/MAN/Wi-Fi Project
3	Call Center Coordinator	1	KCG, Ahmedabad	Graduate (10+2+3)	Minimum 2 years of experience of helpdesk/call centre in client interaction and Liasioning and coordination's role

- a) The BSNL has to ensure that appropriate qualified manpower with requisite skill sets is deputed at the locations defined in the above table. The BSNL shall depute the resources as per the requirements for carrying out the O&M Activity and maintaining the SLA.
- b) This is minimum indicative list of resources and based on actual requirements, the BSNL may deploy any number of resources to meet the SLA. The KCG shall not pay any cost for additional resources required to operate, maintain, monitor & manage the SLA. In case support staff is not available or is on leave, the BSNL is required to provide the alternative personnel with same or higher technical capabilities of the non-available personnel.
- c) The BSNL shall be responsible for the deployment, transportation, accommodation and other requirements of all its employees required for the execution of the work and for all costs / charges in connection thereof.
- d) The BSNL shall provide and deploy "dedicated on site manpower" for carrying out the work, only those manpower resources who are skilled and experienced in their respective trades and who are competent to execute or manage / supervise the work in a proper and timely manner as per the RFP.
- e) The BSNL shall maintain backup personnel and shall promptly provide replacement of every person removed pursuant to this section with an equally competent substitute from the pool of backup personnel.
- f) In case of change in its team composition owing to attrition The BSNL shall ensure a reasonable amount of time-overlap in activities to ensure proper knowledge transfer and handover/takeover of documents and other relevant materials between the outgoing and the new member.
- g) During Expansion or addition of Institutes for Setting up of Wi-Fi Hotspot services, The BSNL will also have to scale/ increase the manpower required for the O& M of such additional sites
- h) Also, if any institute hotspot is created during the tenure of the project will remain in service till the expiry of the contract. For example any institute hotspot(s) implemented in the fourth year of the project tenure will continue to be in service till the completion of the fifth year.

Preventive Maintenance: The BSNL shall also be responsible for the preventive maintenance and perform the below mentioned activities as a part of the regular preventive maintenance schedule:

- a) The BSNL shall carry out Preventive Maintenance (PM), including cleaning, dusting and upkeep of interior and exterior, of all hardware and devices within every 6 months and should record such preventive maintenance activity carried out every time and appropriate report of the same should be submitted to KCG on regular basis.
- b) Check all connectors and fiber points for any damage/cuts etc., in case found faulty the same has to be repaired and replaced.
- c) The Wi-Fi Hotspot Signage's/Banner are to be check for visibility and availability, in case not found suitable, the same has to be mandatorily replaced by the BSNL.
- d) AP realignment on need basis for better coverage and service, the same has to be done as per the below mentioned conditions:
 - i. Within 50 meters – has to be done free of cost by the BSNL.
 - ii. Beyond 50 meters- payment shall be done as per actuals for the shifting work excluding the LAN cabling which shall be paid as per the prices discovered under the LAN RC Tender by the KCG

24.6 Implementation Timeline:

- a) The timelines for the implementation of the entire project with respective deliverables, are as mentioned below:

Deliverables	Timeline
<u>Installation, Commissioning and Go-Live of Institutes</u> (Installation, commissioning and FAT of Edge/site location Infrastructure like Mounting structure, Access Points, Rack, Routers, Switches etc.)	1. 19 Institutes and One University * : T + 15 days
	2. 45 Institutes and One University : T + 45 days
	3. 43 Institutes and One University : T + 75 days

Note: T = Date of Work Order

Days = Calendar days

* The following 3 institutes and & university are covered in this.

1. Government Engineering College, Surat
2. Dr. S & S Gandhi College of Engineering & Technology, Surat
3. Government Girls Polytechnic, Surat
4. Veer Narmad South Gujarat University, Surat

- b) Delay in the project timelines shall attract appropriate Penalties as per the Penalty clause.
- c) In case the delay exceeds more than 4 weeks beyond the stipulated date or BSNL fails to abide by the conditions of the contract for any particular quantity, the remaining/undelivered (unexecuted) quantity may be procured by KCG at the cost of BSNL.
- d) BSNL requires to submit Device-wise Configuration report stating IP Schema, Routing details etc. along with the installation reports.
- e) Time line for additional work order, if any: BSNL is responsible for commissioning of additional orders within 60 calendar days from the date of additional work order.

25. Price shall be inclusive of all freight, forwarding, transit insurance and installation charges. Prices shall be inclusive of Excise Duties. The prices shall strictly be submitted in the given format. Quoted prices shall be without VAT. The BSNL will have to supply/provide goods with an Invoice from a place located within State of Gujarat
26. The BSNL should provide Bill of Material with installation and setup charges, (exclusive of taxes). Any arithmetical errors in these calculations will be on BSNLs account.
27. Offered price is exclusive of GST as applicable.
28. **Contract Period:** The contract will be valid for a period of 5 Years. KCG may consider extending the contract on completion of 5 years for further duration of 2 years based on the performance of the BSNL with no upward revision in the prices.

29. The contract Performance guarantee has to be submitted within 15 calendar days of receipt of Work Order. The Performance Bank guarantee shall be equal to 10% of the contract value valid for duration of 180 days beyond the expiry of contract. The Performance Guarantee shall be discharged by KCG and returned to the BSNL within 30 calendar days from the date of expiry of the Performance Bank Guarantee.

30. The KCG right to vary requirements at time of award: KCG reserves the right at the time of award to decrease (max 10%) or increase quantity for the requirements originally specified in the document without any change in rate or other terms and conditions.

31. Termination Clause:

KCG reserves the right to suspend any of the services and/or terminate this agreement in the following circumstances by giving 30 days' notice in writing if: -

- a) The BSNL becomes the subject of bankruptcy, insolvency, and winding up, receivership proceedings;
- b) In case BSNL finds illegal use of hardware, software tools, manpower etc. that are dedicated to the project;
- c) In case the BSNL fails to deliver the required services as per the scope of work within the prescribed time lines defined in this RFP and extension granted, if any. In such scenario, KCG reserves the right to procure the same from other channels at the risk, cost and responsibility of the selected agency.

BSNL reserves the right to suspend any of the Services and/or terminate the Agreement at any time with 30 days' notice if the payment due to the BSNL for the services rendered is due for more than 2 (two) consecutive quarters.

- a) Upon occurrence of an event of default as set out in Clause above, either party will deliver a default notice in writing to the other party which shall specify the event of default, and give the other party an opportunity to correct the default.
- b) Upon expiry of notice period unless the party receiving the default notice remedied the default, the party giving the default notice may terminate the Agreement.
- c) During the notice period, both parties shall, save as otherwise provided therein, continue to perform their respective obligations under this Agreement and shall not, whether by act of omission or commission impede or otherwise interfere with party's endeavour to remedy the default which gave rise to the commencement of such notice period.
- d) The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.

32. Payment Terms

Payment as per Service/Rental model will be release to the BSNL on acceptance of the invoice by the KCG or its designated agency.

- a) The Fixed Capex charge shall be paid as onetime payment on The FAT of the hotspot as per the Price Bid.
- b) The Base Annual Charges shall be paid on quarterly basis at the end of each quarter post FAT of the hotspot location.
- c) The invoice would be processed for release of payment within 30 days after due verification of the invoice and other supporting documents by the KCG or its designated agency.
- d) In case the processing of the invoice gets delayed beyond 30 days from the date of acceptance of invoice, the BSNL would be paid an adhoc amount of 80% of invoice value and the remaining amount would be released after getting clarifications, due verification and imposition of penalty, if any.
- e) Payment shall be made in Indian Rupees. While making payment, necessary TDS/income tax will be made.

33. Service Terms:

- a) The entire scope of the work depends on the technical skill and experience in management of the same level or kind of infrastructure.
- b) It is mandatory for BSNL to deploy qualified professional to install, commission & maintain the proposed Network, as defined under scope of work.
- c) The BSNL has to submit regular schedule of man power availability & get it approved by KCG before deployment.
- d) The BSNL will have to carry out reinstallation of any of the equipment 'Free of Cost, if required.
- e) The BSNL need to manage & maintain various records related to the services extended to the Government.
- f) If required, the BSNL may need to coordinate and approach various agencies working for KCG.
- g) The BSNL needs to maintain the required security of the network as per the DoT/KCG Security guidelines.
- h) The BSNL is responsible to maintain documentation on the progress of the work and will have to update the same on regular basis. Successful BSNL will have to submit the progress reports regularly, as per the guide line issued by KCG/or its designated agency.
- i) In case of failure of any system or equipment, the BSNL needs to replace or repair the faulty part/component/device to restore the services at the earliest. The cost of the repairing or replacement of faulty Cable/component/device has to be entirely born by the BSNL.
- j) All expenses related to cable/component/device, including hiring of specialized technical expertise, in case required, has to be borne by the BSNL as part of Contract Agreement.
- k) BSNL shall submit test procedures covering various test cases and expected results of these tests relating to various systems being commissioned for the network.

34. Penalty Clause:

PENALTY FOR DELAY

Activity	Timeline	Penalty
Delay in Installation, Commissioning and Go-Live of Institutes	As per clause no. 24(VI) of this work order	2.5% of Contract value of delayed item per week or part thereof for delay in delivery (Delay beyond 4 weeks, KCG may terminate the contract and Forfeit the PBG).

Note: Maximum Penalty cap of 20% of contract value for Penalty for Delay.

BSNL shall be paid Quarterly Payment (QP) as per the services provided to KCG. The overall penalty would be **generally capped at 20% of QP amount** and will be recovered against the quarterly payment invoice submitted by the selected agency. Availability will be calculated on a quarterly basis.

S/n	Activity	Target	Penalty
1	Availability of Wi-Fi Services	99%	a) 99% or Better= NIL b) 98.99% to 98.50%=3.0% of QP c) 98.49% to 97.00% = 7.5% of QP d) less than 97% = 20.0% of QP

2	Successful Generation of OTP and user authentication	Per 1000 Instance of Failure	a) Less than 1000 = NIL b) 1001-2000=0.25% of QP c) 2001-3000 = 0.50% of QP d) Greater than 3001 = 0.75% of QP
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If the KCG fails to provide space and related clearances to carry out the job as per the agreement terms, as a result of which the installation of the equipment is delayed and The Bidder is not able to adhere to the schedule for completing the Acceptance Tests. Delay solely on account on above will not be included while ascertaining actual delay.

PENALTY FOR DELAY IN REPAIR/REPLACEMENT OF FAULTY MATERIAL: The Bidder shall be responsible for repair/ replace all faulty material within the shortest possible time thus ensuring minimum downtime.

- i. The Bidder shall be responsible for maintaining the desired performance and availability of the system/services. Successful Bidder should ensure the prompt service support for the entire project duration. If any complain is made or auto alarm/instances is generated by the system for non-availability of the items., then it has to resolved within 48 hours from the time of complaint raised/auto alarm or instance generated by the system/NMS.
- ii. The Downtime/service failure shall mean "AP not having a connection during the cycle of 2 Hours any time during the day time i.e. from 8 AM to 10 PM)
- iii. **Natural Calamity:** if there are more than 5 locations are effected at the same time in a City or more than 10 locations are effected at the same time in a district, such an incident will be treated as Natural Calamity and then in that case 48 Hour time limit will be increased to 168 hours/ 7 days. Complaints/issues needs to be resolved within 168hrs/7 days from the time of complaint raised/auto alarm or instance generated by the system.
- iv. If Successful Bidder fails to resolve the issue as specified above, the following penalty will be imposed on each delayed day, which will be recovered against the quarterly payment invoice submitted by The bidder:

Site/Location	Penalty for each delay is resolution of issues within stipulated time
All Sites	Rs. 500/- per site for every 8 hours of delay or part thereof

35. Approvals/Clearances

- a) Approvals/ clearances concerned authorities, for establishing the proposed project are to be obtained by The BSNL.
- b) Necessary approvals/ clearances from concerned authorities, as required, for fire protection, government duties / taxes/ Octroi are to be obtained by The BSNL.
- c) Necessary approvals / clearances, from concerned authorities for "Right of way, as required, are to be obtained by The BSNL for laying their own cables to meet system requirements.
- d) Necessary approvals/ clearances from DoT/ TEC/ TRAI/ Concerned authorities/ any service provider, for establishing the network and connecting different Network elements/ any service provider's circuits, shall be obtained by The BSNL.

36. Project Implementation

- a) Third party auditor will be for the Project and all acceptance and monitoring of work will be undertaken by them. All Invoices, Vouchers, Bills for supplied services by The BSNL under the scope of the work will be verified measured and accepted by the TPA, for release of payment.

- b) As part of implementation, The BSNL shall will have to submit a detailed Implementation plan. The BSNL will implement the project strictly as per the plan approved by KCG
- c) The BSNL shall arrange to obtain all statutory and regulatory permission (If any) at no cost to the Government of Gujarat.
- d) The BSNL may have to work during Holidays and Sundays, according to the urgency of work. The BSNL will obtain such permission on his own in consultation with the User Department/KCG. It will be the responsibility of The BSNL to co-ordinate with all other agencies of Government of Gujarat in order to obtain No Objection Certificate required to execute the job, However the KCG may assist The BSNL in obtaining such clearance.
- e) The BSNL shall not disturb or damage the existing network of communication. If in case any damage to the network is done, the same shall be corrected with no extra cost. The BSNL will also be responsible for paying penalty, as imposed by the service owner to which the damage is incurred.
- f) Successful BSNL shall treat all matters connected with the contract strictly confidential and shall undertake not to disclose, in any way, information, documents, technical data, experience and know how, without prior written permission from KCG.
- g) Any damage caused to the property of Government of Gujarat while executing the job shall be solely Successful BSNL's responsibility. In case any damage to the property is caused, the same will be recovered from The BSNL.

37. Third Party Agency

GIL or any other Third Party agency appointed by KCG for IT Infrastructure projects, would monitor the project during implementation, commissioning and operation. The Third Party will also conduct required Final Acceptance Test as per the technical requirement of the Agreement and will issue the Certificate of Completion of the proposed Site(s). Third Party Agency will verify the services provided by The BSNL under the agreement. The BSNL will have to co-operate with such Third-Party agency or its representatives during the entire contract duration.

38. Fraudulent and Corrupt Practice

- a) Fraudulent practice means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract and includes collusive practice among BSNLs (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the KCG of the benefits of free and open competition.
- b) "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of Contract execution.
- c) KCG will reject a proposal for award and may forfeit the Performance Bank Guarantee if it determines that the BSNL recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, contract(s).

39. MIS Report

BSNL is required to submit/enable the access to various MIS reports in electronic form and over the email to KCG in support of SLA compliance along with its quarterly invoice and as and when asked by the KCG. Following is the minimum indicative list of types of MIS reports to be submitted by BSNL:

S/n	Activity	Periodicity
1.	Internet Bandwidth Available at each Institute	Daily
2.	Bandwidth utilization: Per AP and Per Hotspot wise, Total City & State wise	
3.	Total No. of users connected: Per AP and Per Hotspot wise, Total City & State wise	
4.	Availability of Access Points	
5.	Ageing Report of issues/Complaints/Incidents	
6.	Bandwidth Utilization over last 7 days: Per AP and Per Institute wise, Total City & State wise	Weekly
7.	SLA compliance reports	Quarterly
8.	Preventive maintenance reports	
9.	Configuration change reports	
10.	Inventory reports	
11.	Group and location/site wise service utilization and Uptime Report	
12.	Link Availability, Downtime, Usage/Utilisation, Fault & rectification, Performance statistics-AP & Network both, Log of Network parameters along with Service down time and % uptime achieved	
13.	Any other reports- As and when required by KCG	

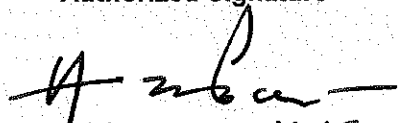
40. Copy Right and Intellectual Property

- a) KCG will have exclusive right to use the application software, its upgraded versions (as customized and upgraded from time to time).
- b) No software or services covered by the contract shall be developed or done by the company in violation of any right whatsoever of third party, and in particular, but without prejudice to the generality of the foregoing of any patent right, trademark or Similar right, or of any charge, mortgage or lien. BSNL will indemnify KCG for all such correspondence.

41. You are requested to furnish the unconditional acceptance of P.O. within 3 days from the receipt of purchase order to purchasing department.

42. The Terms and Conditions mentioned in tender document of GIL RFP No. GIL/DST/Urban wifi/2017-18 dated 14/06/2017, will also be applicable.

Authorized Signature

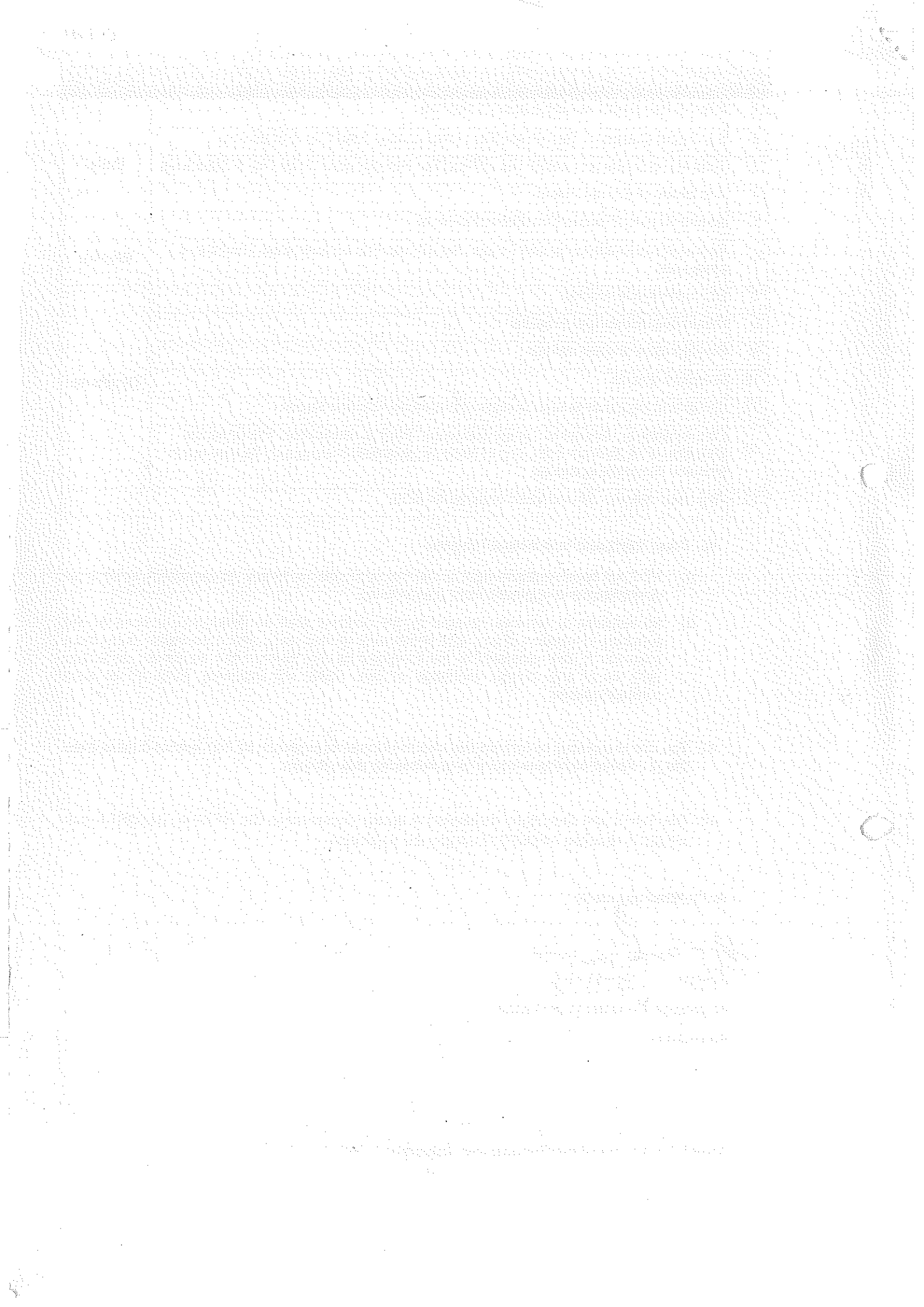

Advisor 3-11-17

Knowledge Consortium of Gujarat

Ahmedabad

Encl:

1. Annexure-A : List of Institutions and Universities with Access points
2. Annexure-B : Survey format of NAMO – WIFI Project



Annexure A

LIST OF INSTITUTES WHERE WIFI HOTSPOT TO BE IMPLEMENTED

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
1	Gujarat Commerce College(Morning),	Ahmedabad	Dr. Pravinbhai. R. Patel	(I/c) Principal	9978441481, 07926430546	14	2
2	Gujarat Arts and Science College (Afternoon),	Ahmedabad	Dr. A. S. Rathore	Principal	9824514744, 07926446939	14	2
3	Gujarat Arts and Commerce College (Evening),	Ahmedabad	Dr. Yogesh Yadav	Principal	9925047799, 07926447295	14	2
4	R.C. Commerce College, Ahmedabad	Ahmedabad	Shri D. M. Bhadariya	Principal	9427232214, 07925624353	14	2
5	Ke. Ka. Shastri Government Commerce College	Ahmedabad	Dr. Mahendra G. Bhatt	Principal	9426737221, 07922933660	7	1
6	Government Arts College, Khokhra, Maninagar	Ahmedabad	Dr. Gita Pandya	Principal	9426709133, 07922932516	7	1
7	Government Law College, Khokhra, Maninagar	Ahmedabad	Dr. Krupa D. Pandya	Principal	9429158768, 07922932525	7	1
8	Government Commerce College, Nikol Road,	Ahmedabad	Dr. Jyotsna I. Patel	Principal	9824602626, 07922980772	14	2
9	Government Engg. College, ChandKheda	Ahmedabad	Dr. R. K. Gajjar	Principal	9825091133, (079) 23293866	14	2
10	L.D. College of Engg., Ahmedabad	Ahmedabad	Dr. G. P. Vadodariya	Principal	9426863274, (079) 26306752, 26302887	14	2
11	Govt. Girls Polytechnic, Ahmedabad	Ahmedabad	Smt. Ushma Anerao	Principal	9824667877, (079) 26301581	14	2
12	Govt. Polytechnic, Ahmedabad	Ahmedabad	Shri P. M. Patel	Principal	9825022025, (079) 26301285	14	2
13	R.C. Technical Institute, Ahmedabad	Ahmedabad	Shri B. B. Soneji	Principal	9426316754, (079) 27664785	14	2
14	Government Arts and Commerce College, Jafra	Amareli	Prof. Kirtigiri Sundergiri Meghnathi	(I/c) Principal	9429347434, 02794245005	7	1

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
15	Dr. J.N. Mehta Govt. Polytechnic, Amreli	Amreli	Shri M. J. Pathak	Principal	9429352766, (02792) 223347	14	2
16	Government Arts College, Bayad	Amreli	Shailesh Bhavsar	Principal	9428355343	14	2
17	Government Arts and Commerce College,	Aravali	Gangude Sir	Principal	9427952544	14	2
18	Government B.ED College, Meghraj	Aravali	Gaytriben Patel	Principal		7	1
19	Government Engg. College, Modasa	Arvalli	Dr. A. M. Prabhakar	Principal	7567750007, (02774) 242634	14	2
20	Government Engg. College, Palanpur	Banaskantha	Dr. K.B.Judal	Principal	9375844848, (02742) 220006	7	1
21	Govt. Polytechnic, Palanpur	Banaskantha	Shri M. M. Shah	(I/c) Principal	9426380730, (02742) 245219	14	2
22	Government Arts College, Amirgadh	Banaskatha	Shri.N.R.Chaudhri	Principal	9426981267, 02742232015	7	1
23	Government Arts and commerce college, Tharad	Banaskatha	Dr. Y. S. Sharma	Principal	9824368522, 02737222220	14	2
24	Government Arts College, Vav	Banaskatha	Shree Bipinchandra Ambalal Upadhyay	(I/c) Principal	9712114298, 02740227101	7	1
25	Government Arts and Commerce College,	Bharuch	Shri Jayantilal Chhatrasang Thakor	(I/c) Principal	9427117046, 02643283417	7	1
26	Government Engg. College, Bharuch	Bharuch	Prof. R. K. Shukla	(I/c) Principal	9429022403, (02642) 227054	14	2
27	K.J. Polytechnic, Bharuch	Bharuch	Shri R. R. Shukla	(I/c) Principal	9427952078, (02642) 246402	14	2
28	Government Arts College, Talaja	Bhavnagar	Dr. Devjibhai N. Maru		9427067951, 02842222628	14	2
29	Government Engg. College, Bhavnagar	Bhavnagar	Prof. J. M. Patel	(I/c) Principal	9426837119, (0278) 2513251	14	2
30	Shantilal Shah Engg. College, Bhavnagar	Bhavnagar	Dr. Mangal Bhatt	Principal	9898238687, (0278) 2445509	14	2

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
31	Sir Bhavsinhji Polytechnic Institute, Bhavnagar	Bhavnagar	Shri Y. M. Gandhi	(I/c) Principal	9428408384, (0278) 2426742	14	2
32	Government Arts and Commerce College,	Botad	Bhavin M. Badiyani	Principal	9408706136, 2847252590	7	1
33	Government Arts and Commerce College,	Chhotaudaipur	J.N.Pandya	Principal	9426347300	7	1
34	B.ED College, Naswadi	Chhotaudepur				7	1
35	Govt. Polytechnic, Chhotaudepur	Chhotaudepur	Shri D. A. Dave	(I/c) Principal	9427182407, (02669) 232754	14	2
36	Government Science College, Zalod	Dahod		Principal	9898017068	7	1
37	Government Engg. College, Dahod	Dahod	Prof. P.K.Brahambat	(I/c) Principal	9427068694, (02673) 263780	14	2
38	Govt. Polytechnic, Dahod	Dahod	Shri M. N. Charel	(I/c) Principal	9427057855, (02673) 266681	14	2
39	Government Arts and Commerce College, Ahva-	Dang	Dr. D. K. A. Bhoys	Principal	9426861080, 02631220265	7	1
40	Government Science College, Ahva-Dang	Dang	Shri. N. M. Tandel	Principal	9427189460, 02631220138	7	1
41	Govt. Polytechnic, Waghai	Dang	Shri H. R. Chaudhari	(I/c) Principal	9510355168, (02631) 220314	7	1
42	Government Arts College, Bhanvad	Dang				7	1
43	Government Arts College, Jamkalyanpur	DevBhumi-Dwaraka				7	1
44	Government Arts College, Gandhinagar	Gandhinagar	Himat Bhalodiya Sir	Principal	07923224237	14	2
45	Government Science College, Gandhinagar	Gandhinagar	Dr. K G Saya	Principal	9428116080, 07923222352	14	2
46	Government Commerce College, Gandhinagar	Gandhinagar	Shree S.G. Desai	Principal	9426011355, 07923288236	14	2

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
47	Government Engg. College, Gandhinagar	Gandhinagar	Dr. Smt. S. P. Dave	Principal	9825369917, (079) 23215167	14	2
48	Govt. Polytechnic, Gandhinagar	Gandhinagar	Smt. Rupal Marchant	(I/c) Principal	9924849849, (079) 23287433	14	2
49	D.K.V Arts & Science College, Jamnagar	Jamnagar	Ku. R.M.Jadeja	Principal	9925220505, 02882550351	14	2
50	Government Commerce College, Jamnagar	Jamnagar	Dr. N K Gojiya	Principal	9979088461, 02882550664	7	1
51	Govt. Polytechnic, Jamnagar	Jamnagar	Shri A. K. Zala	(I/c) Principal	9825424643, (0288) 2755570	14	2
52	Baudeen Arts College, Juangadh	Junagadh	Dr Nilaben S Thaker	Principal	9427425343, 02852673045	7	1
53	Baudeen Science College, Junagadh	Junagadh	Dr. R.P.Bhatt	Principal	9426975482, 02852675731	14	2
54	Govt. Polytechnic, Junagadh	Junagadh	Shri S. B. Singhania	(I/c) Principal	9426444877, (0285) 2620247	7	1
55	Government Arts and Commerce College, Kathlal	Kheda	Dr.A.A. Shaikh	Principal	9627461829, 02691244811	7	1
56	Government Engg. College, Bhuj	Kutch	P. P. Rathod	(I/c) Principal	9429100699, (02832) 231164	14	2
57	Govt. Polytechnic, Bhuj	Kutch	Shri B. G. Bhankhar	(I/c) Principal	9428408399, (02832) 299222	14	2
58	R.R.Lalan College, Bhuj	Kutch-Bhuj	Shri P N Raval	Principal	9427442662, 02832250117	14	2
59	Government Science College, Mandavi	Kutch-Bhuj	Dr. Paurav Kartikbhai Mehta	Principal	9879226010, 02834224401	7	1
60	Government Arts and Commerce College, Rapar	Kutch-Bhuj	I/C Dr. M. A. Ajmeri	Principal	9825528174, 02830221130	7	1
61	Government Arts College, Bahechraji	Kutch-Bhuj	Dr. C.B.Balas	Principal	9426289263, 02734289725	7	1
62	M.N.College, Visnagar	Mahesana	Dr. K.M.Joshi	Principal	9427679131, 02765231415	14	2

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
63	Govt. Polytechnic, Vadnagar	Mehsana	Shri S. D. Dabhi	(I/c) Principal	9825697278, (02761) 222800	7	1
64	Lukhdhirji Engg. College, Morbi	Morbi	Dr. N. K. Arora	(I/c) Principal	9879227299, (02822) 240743	14	2
65	Lukhdhirji Engg. College(Poly), Morbi	Morbi	Shri D. B. Vagadia	(I/c) Principal	9426165140, (02822) 240743	14	2
66	Government Arts College, Dediapada	Narmada	Dr.K.D.Tilva	Principal	9427425343, 02649235005	7	1
67	Government Arts College, Sagbara	Narmada	Shri S. G Gayakwad	Principal	9687578533, 8905050150, 02649255144	7	1
68	Government Arts and commerce college,	Narmada	Dr. Sanjaykumar M Patel	Principal	9428165775, 02634220608	7	1
69	Government Science College, Chikhali	Narmada			9909012291, 02634230299	7	1
70	Government Arts and Commerce College,	Navsari	Dr. J. T. Chaudhari	Principal	9427140599, 0263022327	14	2
71	Government B.Ed College, Vansada	Navsari	Dr.J.T.Chaudhari	Principal	9427140599, 02630222327	7	1
72	Government Arts College, Sahera	PanchMahal	Dr.Subhash Biharisingh Bhadauria	Principal	9724949570, 02670290031	7	1
73	Government Engg. College, Godhra	Panchmahal	Shri P. D. Solanki	(I/c) Principal	9978123553	14	2
74	Govt. Polytechnic, Godhra	Panchmahal	Shri J. V. Bholanda	(I/c) Principal	9426413575, (02672) 253732	7	1
75	Government Arts and Commerce College, Sami	Patan	Prof. B.K.Vaghela	Principal	9978313170, 02733244352	7	1
76	Government Engg. College, Patan	Patan	Prof. N.D.Hajiani	(I/c) Principal	9426784186, 02766 291 561	14	2
77	K.D. Polytechnic, Patan	Patan	Shri J. M. Joshi	(I/c) Principal	9825149396, (02766) 220419	14	2
78	Govt. Polytechnic, Porbandar	Porbandar	Shri V. J. Daudia	(I/c) Principal	9426473914, (0286) 2220553	14	2

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
79	Government Arts College, Kotdasangani	Porbandar	Dr. Yogeshkumar V. Pathak	Principal	9662061161, 02827276022	7	1
80	Government Arts and Commerce college,	Porbandar	Dr. C.B.Balas	Principal	9426289263, 02820233444	7	1
81	H & B Kotak Science College, Rajkot	Rajkot	Dr.R.A.Agarwal	Principal	9374293999	14	2
82	Dharmendrasinhji Arts College, Rajkot	Rajkot	Dr. Nilaben S Thakar	Principal	9427728492	14	2
83	M.P.Law College, Rajkot	Rajkot	Dr.P.R.Kagda	Principal	9879351823	7	1
84	Government Engg. College, Rajkot	Rajkot	Dr. G. J. Vala	Principal	9898995040, 9978287873, (0281) 2924062	14	2
85	A.V. Parekh Technical Inst, Rajkot	Rajkot	Shri A. S. Pandya	(I/c) Principal	9426201171, (0281) 2464530	14	2
86	Govt. Polytechnic, Rajkot	Rajkot	Shri P. P. Kotak	Principal	9825469617, (0281) 2387553	14	2
87	B.K. Modi Govt. Pharmacy College, Rajkot	Rajkot				7	1
88	Govt. Polytechnic, Himatnagar	Sabarkantha	Dr. P. A. Raval	Principal	9426395128, (02772) 229285	14	2
89	Government Arts and Commerce College, Kadoli,	Sabarkantha	Prof. K.S.Parmar	Principal	9427487245, 02772275501	7	1
90	Government Science College, Idar	SabarKhatha	Dr. D. P. Patel	Principal	9898791698, 02778291006	14	2
91	Government Arts and Commerce College, Jadar	SabarKhatha	Lalbhai Parshottamdas Patel	Principal	9998848745, 02778240900	7	1
92	Government Commerce College, Vadali	SabarKhatha	Shri V K Bhavsar	Principal	9427546060, 02778220075	7	1
93	Government Arts and Commerce College,	Surat	Arunkumar G .Dhariya	Principal	9427869009, 02625292188	14	2
94	Government B.Ed College, Kacchal	Surat	Dr.Dilipbhai M.Gamit	Principal	8141955001, 02625292288	7	1

Sr. No.	Institute	District	Name of Nodal Officer	Designation	Contact Number	No. of tentative access points	No. of Hotspot Locations
95	Government Arts College, Vankal	Surat	Dr. Parthiv K Chaudhari	Principal	9428506019, 02629243033	7	1
96	Government Science College, Vankal	Surat	Dr. Parthivkumar Kantilal Chaudhari	(I/c) Principal	9428506019, 02629243444	14	2
97	Government Engg. College, Surat	Surat	Prof. B. M. Vadher	(I/c) Principal	9879072821, (0261) 2653139	14	2
98	Dr. S & S Gandhi College of Engg. & Tech., Surat	Surat	Shri N. A. Sangani	(I/c) Principal	9427462880, (0261) 2655799, 27418864	14	2
99	Govt. Girls Polytechnic, Surat	Surat	Shri J. V. Sagar	(I/c) Principal	8401867042, (0261) 2471950	14	2
100	M.P.Shah Arts and Science College, Surendranagar	Surendranagar	Dr. K V Parikh	Principal	9428222561, 02752220382	14	2
101	C.U. Shah Polytechnic, Surendranagar	Surendranagar	Smt. M.B. Shah	Principal	9879245072, (02752) 243494	14	2
102	Government Arts and Commerce College,	Tapi	Dr. Rajeshbhai Amratbhai Patel	Principal	9427163046, 02624222426	14	2
103	Government Science College, Valod	Tapi	Bhdresh Parmar	Principal	8690364710, 02625220181	7	1
104	Government Arts and Commerce College, Bhilad	Valsad	Dr.D.P.Patel	Principal	9978896921, 02602785716	7	1
105	Government Arts College, Kaprada	Valsad	Prafullbhai B.Kurkutiya	Principal	9979473483, 02633220002	7	1
106	Government Engg. College, Valsad	Valsad	Dr. S. R. Joshi	Principal	9429265099, (02632) 241960	14	2
107	Govt. Polytechnic, Valsad	Valsad	Dr. S. R. Joshi	Principal(I/C)	9429265099, (02632) 253015	14	2
108	Hemchandracharya North Gujarat University, Patan	Patan	Patel Sir	Registrar	9898558890	70	10
109	Maharaja Krishnakumarsinhji	Bhavnagar				70	10
110	Veer Narmad South Gujarat University, Surat	Surat	Hitesh Vaghela	Ass. Registrar	9723433974	70	10
Total						1386	198

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Annexure B

Survey format for NAMO Wi Fi Project

Part-A				Part - B	
HOTSPOT locations approved as per PO given by KCG				Additional requirement as per the joint survey report carried out by all three representative	
Sr.No	Institute	No. of hotspot Location	No. of tentative access points	No of Hotspots required	No of APs required
1	Gujarat Commerce College(Morning), Ahmedabad	2	14		
2	Gujarat Arts and Science College (Afternoon), Ahmedabad	2	14		
3	Gujarat Arts and Commerce College (Evening), Ahmedabad	2	14		
4	R.C. Commerce College, Ahmedabad	2	14		
5	Ke. Ka. Shastri Government Commerce College	1	7		
6	Government Arts College, Khokhra, Maninagar	1	7		
7	Government Law College, Khokhra, Maninagar	1	7		
8	Government Commerce College, Nikol Road, Naroda	2	14		
9	Government Engg. College, ChandKheda	2	14		
10	L.D. College of Engg., Ahmedabad	2	14		
11	Govt. Girls Polytechnic, Ahmedabad	2	14		
12	Govt. Polytechnic, Ahmedabad	2	14		
13	R.C. Technical Institute, Ahmedabad	2	14		
14	Government Arts and Commerce College, Jafrabad	1	7		

15	Dr. J.N. Mehta Govt. Polytechnic, Amreli	2	14		
16	Government Arts College, Bayad	2	14		
17	Government Arts and Commerce College, Meghraj	2	14		
18	Government B.ED College, Meghraj	1	7		
19	Government Engg. College, Modasa	2	14		
20	Government Engg. College, Palanpur	1	7		
21	Govt. Polytechnic, Palanpur	2	14		
22	Government Arts College, Amirgadh	1	7		
23	Government Arts and commerce college, Tharad	2	14		
24	Government Arts College, Vav	1	7		
25	Government Arts and Commerce College, Netrang	1	7		
26	Government Engg. College, Bharuch	2	14		
27	K.J. Polytechnic, Bharuch	2	14		
28	Government Arts College, Talaja	2	14		
29	Government Engg. College, Bhavnagar	2	14		
30	Shantilal Shah Engg. College, Bhavnagar	2	14		
31	Sir Bhavsinhji Polytechnic Institute, Bhavnagar	2	14		
32	Government Arts and Commerce College, Gadhada	1	7		
33	Government Arts and Commerce College, Naswadi	1	7		
34	B.ED College, Naswadi	1	7		
35	Govt. Polytechnic, Chhotaudepur	2	14		

36	Government Science College, Zalod	1	7		
37	Government Engg. College, Dahod	2	14		
38	Govt. Polytechnic, Dahod	2	14		
39	Government Arts and Commerce College, Ahva-Dang	1	7		
40	Government Science College, Ahva-Dang	1	7		
41	Govt. Polytechnic, Waghai	1	7		
42	Government Arts College, Bhanvad	1	7		
43	Government Arts College, Jamkalyanpur	1	7		
44	Government Arts College, Gandhinagar	2	14		
45	Government Science College, Gandhinagar	2	14		
46	Government Commerce College, Gandhinagar	2	14		
47	Government Engg. College, Gandhinagar	2	14		
48	Govt. Polytechnic, Gandhinagar	2	14		
49	D.K.V Arts & Science College, Jamnagar	2	14		
50	Government Commerce College, Jamnagar	1	7		
51	Govt. Polytechnic, Jamnagar	2	14		
52	Baudeen Arts College, Juangadh	1	7		
53	Baudeen Science College, Junagadh	2	14		
54	Govt. Polytechnic, Junagadh	1	7		
55	Government Arts and Commerce College, Kathlal	1	7		
56	Government Engg. College, Bhuj	2	14		
57	Govt. Polytechnic, Bhuj	2	14		

58	R.R.Lalan College, Bhuj	2	14		
59	Government Science College, Mandavi	1	7		
60	Government Arts and Commerce College, Rapar	1	7		
61	Government Arts College, Bahechraji	1	7		
62	M.N.College, Visnagar	2	14		
63	Govt. Polytechnic, Vadnagar	1	7		
64	Lukhdhirji Engg. College, Morbi	2	14		
65	Lukhdhirji Engg. College(Poly), Morbi	2	14		
66	Government Arts College, Dediapada	1	7		
67	Government Arts College, Sagbara	1	7		
68	Government Arts and commerce college, Khergam, Chikhali	1	7		
69	Government Science College, Chikhali	1	7		
70	Government Arts and Commerce College, Vansada	2	14		
71	Government B.Ed College, Vansada	1	7		
72	Government Arts College, Sahera	1	7		
73	Government Engg. College, Godhra	2	14		
74	Govt. Polytechnic, Godhra	1	7		
75	Government Arts and Commerece College, Sami	1	7		
76	Government Engg. College, Patan	2	14		
77	K.D. Polytechnic, Patan	2	14		
78	Govt. Polytechnic, Porbandar	2	14		
79	Government Arts College, Kotdasangani	1	7		

80	Government Arts and Commerce college, Paddadhri	1	7		
81	H & B Kotak Science College, Rajkot	2	14		
82	Dharmendrasinhji Arts College, Rajkot	2	14		
83	M.P.Law College, Rajkot	1	7		
84	Government Engg. College, Rajkot	2	14		
85	A.V. Parekh Technical Inst, Rajkot	2	14		
86	Govt. Polytechnic, Rajkot	2	14		
87	B.K. Modi Govt. Pharmacy College, Rajkot	1	7		
88	Govt. Polytechnic, Himatnagar	2	14		
89	Government Arts and Commerce College, Kadoli, Himmatnagar	1	7		
90	Government Science College, Idar	2	14		
91	Government Arts and Commerce College, Jadar	1	7		
92	Government Commerce College, Vadali	1	7		
93	Government Arts and Commerce College, Kacchal	2	14		
94	Government B.Ed College, Kacchal	1	7		
95	Government Arts College, Vankal	1	7		
96	Government Science College, Vankal	2	14		
97	Government Engg. College, Surat	2	14		
98	Dr. S & S Gandhi College of Engg.& Tech., Surat	2	14		
99	Govt. Girls Polytechnic, Surat	2	14		
100	M.P.Shah Arts and Science College, Surendranagar	2	14		

101	C.U. Shah Polytechnic, Surendranagar	2	14		
102	Government Arts and Commerce College, Songadh	2	14		
103	Government Science College, Valod	1	7		
104	Government Arts and Commerce College, Bhilad	1	7		
105	Government Arts College, Kaprada	1	7		
106	Government Engg. College, Valsad	2	14		
107	Govt. Polytechnic, Valsad	2	14		
108	Hemchandracharya North Gujarat University, Patan	10	70		
109	Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar	10	70		
110	Veer Narmad South Gujarat University, Surat	10	70		

GSWAN Work Order Completed by Agency on 23-09-2020

The screenshot displays a Gmail interface with a search bar containing "gswansupport". The email being viewed is from "GSC Vankal" (gscprincvankal@gmail.com) to "gswansupport", dated Wednesday, September 23, 2020, at 12:53 PM. The subject of the email is "Tset Mail For Gov. Science Colleage - Vankal, Mangrol, Surat." The body of the email contains the following information:

Respected Sir,

Reference No.: GSW-102017/1708/ED/Cabing/IT(PF-III)

New OFC Installed,
New GSWAN Lan Node Installed,
GSWAN Working Fine At Gov. Science Colleage - Vankal, Mangrol, Surat.

Ip Address : 10.159.1239.213
Subnet Mask: 255.255.255.128
Default gateway : 10.159.139.129

User Name : Dr. Parthiv K. Chaudhari
Designation : Principal
Contact No. : 9428506019

Thanks & Regards,
Siraj Diwan
(GII Engg.)

At the bottom of the screen, the Windows taskbar is visible, showing the system tray with a temperature of 29°C Cloudy, the search bar, and the date and time: 11:54 AM, 06-07-2024.



सत्यमेव जयते
गुजरात सरकार

Government Science College, Vankal

मान्यता-शिक्षण विभाग, गुजरात सरकार ठरवक्रमांक: एसीओ/1512/न.ब.ए-13/प. D:- 21/4/2012

Affiliated to:- Veer Narmad South Gujarat University, College Code-340)

At Po:- Vankal -394430 **Ta:-** Mangrol **Dist:-** Surat

Principal Name:- Dr. Parthivkumar Kantilal Chaudhari



Phone Contact:- (O) 02629-243444
(M) 9428506019

Email: gseprincvankal@gmail.com
mangrolgovernmentsciencecolleg@gmail.com
Parthivkantilal@gmail.com

क्रमांक:- स.वि.को/ GSWAN/२०१८- २०/५४५

तारीख:- २५/०८/२०१८

प्रति,
कलेक्टरश्री,
न्यु शिक्षा सेवा सदन,
ब्लोक बी, पमो માળ,
અઠવાલાઈન્સ, સુરત,
ગુજરાત - ૩૯૫૦૦૧

વિષય :- GSWANનું નવું જોડાણ આપવા બાબત.

માનનીય સાહેબશ્રી,

સવિનય જય ભારત સહ ઉપરોક્ત વિષય અન્વયે જણાવવાનું કે જુન-૨૦૧૨ થી ગુજરાત સરકાર, શિક્ષણ વિભાગ, ગાંધીનગર દ્વારા શરૂ કરવામાં આવેલ અત્રેની કોલેજ માટે નવા મકાનમાં GSWAN કનેક્ટીવીટી નથી જેનામાટે અવારનવાર આપશ્રીને તથા ડિપાર્ટમેન્ટ ઓફ સાયન્સ એન્ડ ટેકનોલોજી ગર્વમેન્ટ ઓફ ગુજરાત પત્રવ્યવહાર કરેલ છે પણ આજ દિવસ સુધી આટલી રજુઆત પછી પણ અત્રેની કોલેજમાં GSWANનું જોડાણ મળેલ નથી અને સરકારી સંસ્થા માટે GSWANનું જોડાણ ન હોવાથી ખુબજ મુશ્કેલીઓ પડે છે જેથી તાત્કાલિક આ જોડાણ મળે તે માટે યોગ્ય કાર્યવાહી કરવા વિનંતી છે.

આપનો વિશ્વાસુ

Parthiv

Principal

Govt. Science College, Vankal
Ta. Mangrol, Dist. Surat.

નકલ સવિનય રવાના

૧. કમિશ્નરશ્રીની કચેરી, ગાંધીનગર

૨. ડિપાર્ટમેન્ટ ઓફ સાયન્સ એન્ડ ટેકનોલોજી, ગાંધીનગર

નં. કે.સી.જી/૨૦૨૧-૨૨/૫૩૭
નોલેજ કોન્સોર્ટિયમ ઓફ ગુજરાત
પી.આર.એલ.ની સામે
નવરંગપુરા,અમદાવાદ
તા.૨૬/૦૬/૨૦૨૧

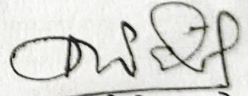
પ્રતિ,
આચાર્યશ્રી,
તમામ સરકારી કોલેજો,
ગુજરાત રાજ્ય,

વિષય: GSWANનું જોડાણ મેળવવા બાબત.

ઉચ્ચ શિક્ષણ કમિશનરની કચેરી દ્વારા GSWANની IFMS સિસ્ટમ દ્વારા ગુજરાત રાજ્યની તમામ સરકારી કોલેજોને ગ્રાન્ટ ફાળવણી કરવામાં આવે છે. ઉપરાંત સરકારી કોલેજોએ IFMS સિસ્ટમથી અધિકારી/કર્મચારીઓના પે ફીકશેસન, ઇજાફાના હુકમો તથા કોલેજોના પગાર બીલ, કન્ટીજન્સી બીલ વિગેરે તિજોરી કચેરીમાં દાખલ કરવાના હોય છે. આ માટે GSWAN કનેક્ટીવીટી હોવી જરૂરી છે. તેથી જે સરકારી કોલેજો પાસે જીસ્વાન કનેક્ટીવીટી ન હોય તેઓએ નીચેની લીંક દ્વારા જરૂરી માહિતી ભરીને દિન-૫ માં મોકલી આપવા જણાવવામાં આવે છે. જેથી આગળની કાર્યવાહી હાથ ધરી શકાય.

ફોર્મેની લીંક - <https://bit.ly/GSWAN>

બિડાણ:-કોલેજોનું લીસ્ટ


ઓ.એસ.ડી(એકા. & એસ.)
કેસીજી,અમદાવાદ

Annexure-1					
Sr.No	Name of College	Address	City	District	Pincode
1	Government Arts And Commerce College, Poshina	Navnirman Vidhyalay Campus	Poshina	Sabarkantha	383422
2	Government Science College, Tharad	Mitha Bhabhar Road	Tharad	Banaskantha	385565
3	Government Arts College, Mangrol, Surat	Beside Getco Sub Station, Vankal-Zankhvav Road, Vankal Ta. Mangrol	Surat	Surat	394430
4	Govt. Arts College, Sulgam (Banaskantha)	Sulgam	Sulgam	Banaskantha	385570
5	Government Arts And Commerce College-Babra	C/O Shri Government Kamalshi High School Campus, Rajkot-Bhavnagar Highway	Babra	Amreli	365421
6	Bhaktraj Dada Khachar Arts & Commerce College, Gadhada	Opp. Mohanbhai Statue, Station Road,	Gadhada (Swa.)	Botad	364750
7	Government Arts College, Kawant	C/O. Government High School Building, Bodell Road	Kawant	Chhotaudepur	391170
8	Thakorshri Mulvaji Arts College, Kotdasangani	Sardarchawk, Opp Post Office	Kotdasangani	Rajkot	360030
9	Government Arts College, Sagbara, Narmada	Higher Secondary School Campus	Sagbara	Narmada	393050
10	Government Arts & Commerce College, Paddhari	Near Court, Bus Stand Road	Paddhari	Rajkot	360110
11	Government Commerce College, Jamnagar	C/O. Shri D.K.V. Arts And Science College Campus, Pandit Nehru Marg	Jamnagar	Jamnagar	361008
12	Government Arts College, Kalyanpur	At-Ta - Kalyanpur, Bhatiya Raval Road	Jam Kalyanpur	Devbhumi Dwarka	361320
13	Government Arts And Science College, Bavla	Model School Campus, Nh-8a Rajoda	Bavla	Ahmadabad	382220
14	Government Arts And Science College Patdi	Suraj Malji High School Compound	Patdi	Surendranagar	383765
15	Government Science College, Valod	Government Science College, Valod - Bardoli Road, At & Post Valod, Taluka - Valod,	Tapi	Tapi	394640
16	Government Arts & Commerce College, Netrang	Behind Aadarsh Nivasi Shala	Netrang	Bharuch	393130
17	Government Arts College, Talaja	National Highway No.51, Behind Govt. Ayurvedic Hospital, Bhavnagar Road	Talaja	Bhavnagar	364140
18	Government Arts College, Santalpur	Government Higher Secondary School Campus, Railway Station Road	Santalpur	Patan	385350
19	Govt Arts & Commerce College, Sami	Sami - Mehsana Highway Approach Road, Between Geb & Health Centre	Sami	Patan	384245
20	Dharmendrasahji Arts College, Rajkot	Dr Yagnik Road, Near Dharmendrasahji College Post Office	Rajkot	Rajkot	360001
21	Government Science College, Chhotaudepur	Don Bosco Campus, Khos Vasedi	Chhotaudepur	Chhotaudepur	391165
22	Government Mahila Arts College, Uchchhal, Tapi	Sarvanik High School Uchchhal Dist Tapi, State Bank Road	Uchchhal	Tapi	394375
23	Government Arts College, Chotila	Near Jalaram Mandir, Beside Aruda Talav	Chotila	Surendranagar	363520
24	Government Science College, Vankal, Mangrol, Surat	Vankal- Zhankhvav Road, At & Post. Vankal	Mangrol	Surat	394430
25	Government Arts & Comm College Kadoli	At: Munpur Patiya, Po: Kadoli		Sabarkantha	383220
26	Government Arts College, Vallabhipur	C/O Shree Gambhirsinhji Highschool Campus	Vallabhipur	Bhavnagar	364310
27	Government Arts And Commerce College, Jafarabad	Vapaliya Vistar, Opp. Iti Building, Una Road	Jafarabad	Amreli	365540
28	Government Arts & Commerce College, Bhilad, Umargam	Near Iti, Zaroli Mission Road, Bhilad East, Ta-Umargam	Valsad	Valsad	396105

GUJARAT INFOTECH LIMITED - WORK COMPLETION REPORT

C/O, GSWAN, Block No. 11, 3rd Floor, New Sachivlaya, Gandhinagar - 380 210

Contact: 9316849472; Email:

Complain

Work Order

Survey

Complain Date: 10.08.2020

Complain Attained/Closed Date: 23.09.2020

Reference Number: GSW-102017/1708/ED/Cabling/IT(PF-III)

Department Name: Education Department

Office Name: Gov. Science College, Vankal.

Ta: Mangrol, Dist: Surat.

Problem Description:

Work Details/Action Taken:

- GSWAN Node Installation 03 nos.
- Network Rack 02 nos. (6U)
- 1 mtr Cat 6 Patch Cord 03 nos.
- 2 mtr Cat 6 Patch Cord 03 nos.
- 12 port Jack Panel 01 nos.
- Surge Protector 02 nos. (S/N 200826-033 ; 200826-024)
- Voltage Stabilizer 02 nos. (S/N 200320-400-0022 ; 200320-400-0023)
- 16 port switch 02 nos.
(S/N : 2418MG16P03200373 IP 10.159.139.215)
(Subnet 255.255.255.128 Gateway 10.159.139.129)
(S/N : 2418MG16P03200374 IP. 10.159.139.216)
(Subnet 255.255.255.128 Gateway 10.159.139.129)

• GSP Module 02 Nos.

Remarks::

S/N . 1020GSP 082079L
S/N . 1020GSP 082079G

Main Connectivity Taken From

Office Name: Hope From DC/TC :

Mode Of Connectivity: Distance:

User ID: LAN IP:

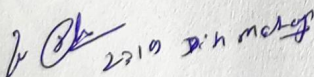
LAN Connectivity Taken From

Switch Location: Switch Port No:

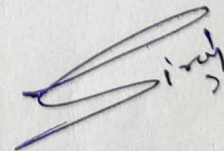
USER'S SIGNATURE & STAMP

GSWAN ENGINEER'S SIGNATURE

GIL ENGINEER'S SIGNATURE



Principal
Govt. Science College, Vankal
Ta. Mangrol, Dist. Surat.



User Name: Dr. Parthiv, K. Chaudhary

GSWAN Engineer Name: Tusheer Patel

Designation: Principal

Contact Number: 9099354255

Contact Number: 9428506019

GUJARAT INFOTECH LIMITED

C/O, GSWAN, Block No. 11, 3rd Floor, New Sachivlaya, Gandhinagar - 380 210
Contact: 9316849472; Email: support@gujaratinfotech.com

Complain

Work Order

Survey

Complain Attained/Closed Date: 22-05-2020

Complain Date:

Reference Number:

Department Name:

Gov. Science College - Vankal.

Office Name:

Gov. Science College - Vankal.

Address: Vankal, Manghrol, Surat.

Problem Description:

Work Details/Action Taken:

170 Mtr. OFC Survey Done.
(As per O&m Engg. Survey 150 Mtr OFC, But Actual 170 Mtr OFC Required),
LAN Survey Done,
Clos. 6 U Rack Survey Done.

Remarks ::

Main Connectivity Taken From

Name:

Hope From DC/TC:

Mode Of Connectivity:

Distance:

User ID:

LAN IP:

LAN Connectivity Taken From

Switch Location:

Switch Port No:

USER's SIGNATURE & STAMP

GSWAN ENGINEER's SIGNATURE

GiL ENGINEER's SIGNATURE

V.N. Patel



Tushar Bhai

Siraj Diwan

User Name: V. N. Patel

GSWAN Engineer Name : Tushar Bhai

Designation: Jr, Cleark

Contact Number: 9099354255

Contact Number: 02629-243444



GTPL Broadband Bill of 50MB Package 24 moths on 01/03/2023

Tax Invoice

Biller Details

GTPL Broadband PVT LTD.
202, 2NDFLOOR, SAHJANAND SHOPPINGCENTRE, OPP. SWAMINARAYAN
MANDIR,AHMEDABAD-380004
CIN No : U64204GJ2008PTC054111
GST No : 24AADCG1959N1ZA
SAC No : 998422
PAN No : AADCG1959N

Customer Details	Bill Details
Customer #: BB0008050804	Bill No. :
Userid: college5787_mnr	Bill Date : 01/03/2023
Name : PRINCIPAL GOVERNMENT SCIENCE COLLEGE VANKAL	Amount Due : 10500 Due Date : 01/03/2023
Contact No. : 9737785787	
Installation Address : 00 SCIENCE COLLEGE VANKAL,VANKAL-MANGROL,NR-VANKAL BAZAR,VANKAL,SURAT,MANGROL ,394430	
Billing Address : 00 SCIENCE COLLEGE VANKAL,VANKAL-MANGROL,NR-VANKAL BAZAR,SURAT,MANGROL ,394430	
Customer GST No :	
GST State Code : 24	

Package	Period	Description	Amount
UL_A19_50MBPS [24 MONTHS]	01/03/2023 - 27/02/2025	SUBSCRIPTION CHARGE	8898.3050
		CGST @ 9(%)	800.85
		SGST @ 9(%)	800.85
		Total Amount	10500

Amount In Word : Ten Thousand Five Hundred Only

Terms & Conditions

1. This is a computer Generated Invoice and does not require a signature.
2. Please obtain receipts against all payment made.
3. The payment towards the invoice shall be deemed to be made only after the said payment stands duly received by GTPL Broadband Private Limited.
4. For invoice related queries kindly contact Customer care : www.gtpl.net : 1800 419 01419, 09727633633 : yoursupport@gtpl.net
5. All disputes are subjected to Ahmedabad jurisdiction only.
6. No GST is payable on reverse charge basis

PAID & CANCELLED



बैंक ऑफ़ बड़ोदा
Bank of Baroda

वांकल शाखा, वांकल - ३९४४३०
VANKAL BRANCH, VANKAL - 394430
RTGS / NEFT IFSC CODE : BARB0VANKAL

जारी की गई तारीख से तीन माह के लिए वैध / VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

CBS 01032023
D D M M Y Y Y Y

सेविंग्स खाता SAVINGS ACCOUNT

Pay GTPL BROADBAND PVT LTD

or Bearer

Rupees रुपये Ten Thousand Five Hundred Rupees Only.

या धारक को

अदा करें ₹ 10500/-

06/09/22

खा. सं.
A/c No.

02850100009802

20890000105820

FOR PRINCIPAL GOVERNMENT SCIENCE COLLEGE VANKAL

VOID

Jirehuj
Principal

Govt. Science College, Vankal

PRINCIPAL GOVERNMENT SCIENCE COLLEGE
Ta. Mangrol, Dist. Surendra C

Please sign above

SB/2012/UF

भारत की सभी शाखाओं पर सममूल्य पर देय
Payable at par at all branches in India | VANKAL

⑈000548⑈ 3940125331: 009802⑈ 31

UTILITY FORMS PVT. LTD / CTS-2010

845000