NAGALAND STATE
'Land of Festivals' Empowers Citizens with ICT Enabled eGovernance Services

NIC has been the pioneering in ICT activities for good governance of the State of Nagaland since 1989. While successfully implementing many citizen centric projects, services and ICT enablements in the State, NIC Nagaland advances ahead with a number of new projects and initiatives. Many of the accomplished projects have received accolades and wider recognition.

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By whatever name people have called this realm, hidden among the mountains of India's northeast, Nagaland has always evoked a sense of mysticism and awe, intensified by the remoteness of its geographical location. The scenic beauty of tall and lush green hills always becons one to immerse oneself into the cool and peaceful ambience of Nagaland, officially named as 'Land of Festivals' which borders Mayanmar in the east, Assam in the west, Arunachal Pradesh in the North and Manipur in the south.

The State comprises 16 tribes, each representing a different culture and preserving unique customs. These colourful people span across the districts with a population density of 120 persons per sq. km. The climate of Nagaland can be called nothing but perfect.

NAGALAND AT A GLANCE

Area	16579 Sq.Km.
Population (2011 Census)	19,80,602
Capital	Kohima
Districts	11
Development Blocks	52
Recognized Villages	1428
Literacy	80.11%
MLAs	60
MP (Lok Sabha)	1
MP (Rajya Sabha)	1

With the signing of MoU between Govt of India and Govt of Nagaland in the year 1987, NIC was established in Nagaland in the year 1989 with Kohima, the State Capital, as the first District-cum-State Centre. Today, NIC is fully established in the State with 11 district centres and the

" The e-Governance activities in the State are expanding with active support of NIC Nagaland. NIC is also helping the State in providing connectivity of the State's core ICT infrastructure project such as the Nagaland State Data Centre and the State- Wide Network, besides giving high bandwidth through Lease line and Wi-Max connectivity to various Government offices and Educational institutions. NIC's video conferencing facilities are extensively used by the State Government for conducting high-level meetings with various Ministries of Government of India as well as meetings within the State with District officials.

PANKAJ KUMAR, IAS
Chief Secretary
Government of Nagaland "

Nagaland Chief Minister, Shri T. R. Zeliang inaugurating the Pilot Phase of Treasury Computerization at the Central Treasury, Kohima on 22nd May, 2015

State Centre located in the Civil Secretariat Complex, Govt of Nagaland, Kohima. NIC has undertaken various ICT Projects since 1989 for good governance of the State, some of which have already been implemented successfully while many new recent projects have also been taken up for implementation. It may be mentioned here that NIC has been the pioneer of ICT activities in the state of Nagaland. Major IT Projects initiated and implemented by NIC Nagaland are profiled below.

MMP PROJECTS

TREASURYNET

Nagaland State Chief Minister, Shri T. R. Zeliang inaugurated the Pilot Phase of Treasury Computerization at the Central Treasury, Kohima on May 22, 2015.

This is a web-based online Treasury Software under Mission Mode Project (MMP) implemented in the Treasuries/ Sub-Treasuries of Nagaland. With collaborative effort of NIC Manipur and NIC Nagaland, the TreasuryNET software developed by NIC Pune, has been customized as per the requirements of the state treasuries. The software handles Payment, Receipt as well as Accounts Compilation modules at the Treasuries/ Sub-Treasuries of Nagaland.

The objective of this MMP project is to achieve online processing of bills and challans in all the Treasuries and maintain the database in a central server at the State Data Centre/ NIC Nagaland Data Centre. Computerization of Treasuries will relieve the pressure on the Treasuries and facilitate faster and efficient processing of bills, challans and meet the objective of accurate monthly accounts compilation within first week of the next month. It will also help the Treasuries in achieving transparency in the processing of bills as well as tracking of records of payments and receipts by the Finance Department, Nagaland.

ONLINE GPF

An Online GPF Information System for Nagaland State Government employees was launched on July 31, 2017 by the Chief Secretary, Shri Pankaj Kumar, IAS, Government of Nagaland at the Office of the Principal Accountant General (A&E), Kohima in the presence of high-level state officials and Smt. Neeta Verma, Director General of NIC, who joined the function through Video Conferencing facility of NIC.

The office of the Principal Accountant General (PAG), Kohima has been maintaining the records of about 43,000 employees using the standalone system. The annual GPF statements are collected by the department nodal officers from PAG's office in the month of July every year and distribute it to their respective employees.

The online GPF system has features to facilitate the government employees to generate Annual Account Statement, Ledger and missing credit anytime from anywhere and send updated information to the subscriber through SMS. The GPF subscribers can access the online GPF system through http://agnl.cag.gov.in/onlinegpf.htm with his/ her GPF account Number, PIN/ password and OTP.

NIC Nagaland, in collaboration with NIC Manipur, has taken up the project for the implementation. The online GPF application is a two-tier security system, which will not expose the main VLCS Server.
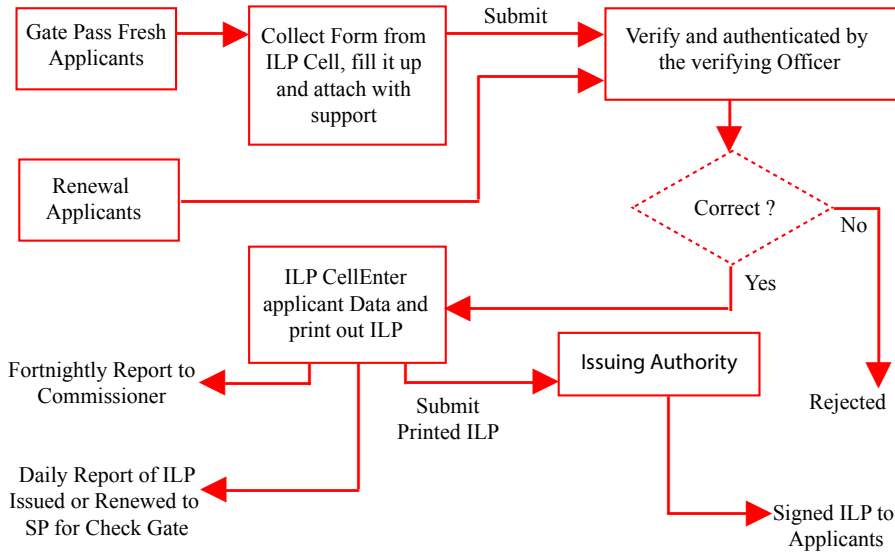
INNER LINE PERMIT (ILP)

Under the Eastern Bengal Regulation Act of 1873 and Government of Nagaland Notification NO.REV/T-9/91, any person who is not a local inhabitant and desires to cross the Inner Line into Nagaland is required to have Inner Line Permit (ILP). For the purpose of monitoring the issue of ILP and action initiated for detection of defaulters, a Monitoring Cell has been set up in the office of the Commissioner, Nagaland. Each ILP Cell in the district is to submit details of information pertaining to issue of ILPs and action taken against defaulters to this cell on a fortnightly basis.

NIC Nagaland State has developed the ILP Management System and the Nagaland and Nagaland Government has implemented the software in all the districts since July 1, 2002. With implementation of the application, issue of ILP has been regulated and monitoring of Inter-checking of ILP issue from district to district is feasible now. The application has been upgraded to a web based system using ASP.NET and introduced in three districts of Nagaland viz. Kohima, Dimapur and Wokha.

Shri Pankaj Kumar (IAS), Chief Secretary, Govt. of Nagaland receiving Annual GPF Statement from Shri E. Mhonbemo Pattaon, AI&AS Principal Accountant General (A&E), Nagaland

Process flow of Inner Line Permit

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Gate Pass Fresh          Collect Form from      Submit      Verify and authenticated by
Applicants               ILP Cell, fill it up               the verifying Officer
                         and attach with
                         support

Renewal                                                            Correct ?        No
Applicants

                                                                   Yes

ILP CellEnter                              Issuing Authority                    Rejected
applicant Data and
print out ILP

Fortnightly Report to
Commissioner                   Submit
                               Printed ILP

Daily Report of ILP                                                Signed ILP to
Issued or Renewed to                                               Applicants
SP for Check Gate
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Process flow of Inner Line Permit

LAND PATTA MANAGEMENT SYSTEM (LAPAMS)

LaPaMs (Land Patta Management System) is the web-based online Computerized Land Records Management Application System of the Land Revenue Department, Govt. of Nagaland. The application was indigenously designed and developed by NIC, Nagaland in open source platforms- PHP and PostgreSQL. The application has been hosted in the mini data centre of NIC, Nagaland for centralized implementation for the entire state of Nagaland. The application can presently be accessed from any location where there is NICNET connectivity of NIC. The software will facilitate automatic updating of land records through work-flow based mutation and partition and provide land owners a document called 'Patta Book' generated from the application with efficiency and accuracy.

The project has been initially implemented for the Dimapur district of Nagaland which has the largest volume of land records data of the state. The project was inaugurated by the Chief Secretary, Shri Pankaj Kumar, IAS, in a programme jointly organized by the Land Revenue Department, Govt of Nagaland and the NIC Nagaland State Centre, Kohima in the Chief Secretary's Conference Hall, Kohima on October 13, 2017 in the presence Shri Subodh Shukla, STD and coordinator NIC Nagaland and many high-level officials of the Govt of Naga-land. While inaugurating LaPaMS , the Chief Secretary congratulated NIC Nagaland for developing the software.

E-PROCUREMENT/ E-TENDER PROJECT

With a view to enhance transparency, efficiency, shorter procurement cycle etc., the Government of Nagaland has issued a notification to the effect that all Government Departments, Agencies shall call for open tenders, for construction/ supply works through the e-Procurement System. The portal http://nagalandtenders.gov.in, is an online system developed to facilitate all Government procurement processes of goods, works and services. Nagaland has opted for the GePNIC solution for eProcurement. An awareness programme for all AHODs and HODs was organized.

WEATHER WATCH INFORMATION SYSTEM (WIS) PROJECT

Based on the requirements of the Soil department, a web-based application for Weather Information System was designed, developed and hosted by the NIC Nagaland State Centre, Kohima. The data is fed by the Soil and Water Conservation Department, Government of Nagaland from 14 Meteorological Stations in different parts of the state. This MIS has been implemented since August 16, 2005.

The WIS application has been upgraded with ASP.NET platform recently. Presently the application is accessible over NICNET only.

These weather data is being used for right selection of crops, plants species best suited to climatic conditions by the

Shri. Pankaj Kumar, IAS, Chief Secretary, Govt. of Nagaland launching the Land Patta Management System

eProcurement Workshop held at the Conference Hall, Nagaland Civil Secretariat

Weather Watch Information System (WIS)

agriculture and allied departments, for designing structures in construction engineering, weather Data bank for monitoring environment changes like rainfall behaviour, global warming, occurrences of natural calamities etc. This site is available at http://10.181.2.132/ only but accessible within NIC network only.

MORD PROJECTS/ SCHEMES

The Ministry of Rural Development (MoRD) has been implementing schemes such as MGNREGA, PMAYG, PMGSY, SAGY, NSAP, DDWS which are being monitored though online MIS applications from the Ministry level. NIC Nagaland has been providing the necessary technical support for the implementation, impart- ing training and handholding support as well as giving network connectivity for various projects across the state through the Rural Development, Social Welfare and PHED departments. The Local Governance Directory (LGD) under the Ministry of Panchayati Raj project - Panchayat Enterprise Suite is being implemented in the state, which is being referred to by various departments.

IVFRT PROJECT

In order to modernize and upgrade the Immigration services, "Immigration, Visa and Foreigners Registration & Tracking (IVFRT)" has been identified and included as one of the MMPs to be undertaken by the Ministry of Home Affairs under the National e-Governance Plan (NeGP). The core objective of this Project is to develop and implement a secure and integrated service delivery framework that facilitates legitimate travellers while strengthening security. FRO-Kohima under IVFRT-MMP was established in the year 2012 at the SP Office, Kohima. Under this MMP, a three-day workshop on various modules

Chief Secretary, Nagaland inaugurating the LG Directory

such as C-FORM, S-FORM and cFRO was carried out from March 12-14, 2014 by resource persons of NIC-IVFRT Division at Kohima and Dimapur districts of Nagaland. During this workshop session, FRO-Dimapur was successfully integrated with the IVFRT system. The remaining 9 districts of Nagaland are currently functioning as Spoke Districts and are attached to FRO-Kohima which is the Hub District. Additionally, in order to create awareness and facilitate the State Government in using the on-line IVFRT modules, a one-day State Level conference was held on August 28, 2014 at Kohima which was organized by the Home Department, Govt of Nagaland in collaboration with National Informatics Centre, Nagaland. FRO-Kohima and Dimapur are currently functioning smoothly, providing various services including, but not limited to, Registration of Foreigners, Registration Extension, Visa Extension, Visa Conversion and issue of New Visa and Exit Permits. In addition, registration of hotels and other places of accommodation under Form-C and registration of Institutions hosting foreign students under Form-S are carried out by the respective FROs. Foreign students are also registered under the Form-S/ FSIS (Foreign Students Information System) module by their respective institutions under IVFRT project.

SPARROW

Smart Performance Appraisal Report Recording Online Window (SPARROW) is an online system for recording the comprehensive performance appraisal dossier of each IAS, IPS, IFS cadre officials of the State Government/ Central Government. The aim of this system is to facilitate the electronic filing of APAR by officers in a way that is not only user friendly but also allows access from anywhere and anytime as per their convenience. Similar convenience will be available to the officers at different stages in the workflow hierarchy of the filling and submission process. The online SPARROW has been of great help for the IAS and IPS Officers in managing their APARs.

NDAL/ALIS (NATIONAL DATABASE OF ARMS LICENSE / ARMS LICENSE ISSUANCE SYSTEM)

NDAL-ALIS is proposed to be a complete integrated arms license issuance system starting from the receipt of applications for arms licenses, document verification, application acceptance, police verification process, grant process and printing of license. This Project aims to provide the applicant with all the required verification processes for a license to carry weapon within a certain pre-defined jurisdiction.

NDAL was rolled out in Nagaland from September 2014. The last date for entering data was March 31, 2017. Technical support and connectivity to the respective License Issuing Authorities (LIA) has been provided by the NIC District Centres of Nagaland for the success of the project. The new portal NDAL/ ALIS (Arms License Issuance System) was launched on July 22, 2016. ALIS implementation is being carried out in the LIAs/ Arms Branches in all the districts of Nagaland for which a number of training sessions both via Video Conferencing and in classroom mode has been provided by the NIC- Nagaland NDAL/ ALIS Co-ordinator. All technical support viz. e-mail creation, VPN related issues and connectivity issues are being facilitated by NIC Nagaland for implementing NDAL/ALIS successfully in Nagaland.

PDS (PUBLIC DISTRIBUTION SYSTEM)

Under this PDS Program, the State of Nagaland has also joined the mainstream by launching NFSA (National Food Security Act). It is successfully implemented in all the district and the beneficiaries are being provided food grain under this program efficiently and with transparency. A total population of about 11,93,000 have been covered under NFSA so far.

ELECTION (ERONET)

ERONet is a web-based app for Electoral Roll management based on Unified National Photo Electoral Roll database, which integrates the Electoral Roll at the National level. ERONet envisions that no voter be left behind irrespective of his language or physical ability. The system strives to make an applicant's entry in the Electoral Roll unambiguous and error free without much hassle. ERONet brings in seamless processing of forms, easy handling of the records for monitoring and maintaining the Electoral Roll.

Any inclusion, modification, deletion or transposition in the electoral rolls is done by filling and submitting Electoral Roll forms. Forms can be submitted online through the National Voters' Service Portal (NVSP) http://nvsp.in, which are then processed in ERONet. Link to the NVSP portal is provided in the website of the Election Commission http://eci.nic.in and the website of the Chief Electoral Officer http://ceonagaland.nic.in. Offline Forms submitted in physical form to the ERO/ AERO/ BLO of his or her Assembly Constituency/ Polling Station shall be digitized, uploaded and processed in the ERONet.

The ERONet was officially launched in Nagaland on August 30, 2017 at the Deputy Commissioner's Conference hall, Kohima. All officials concerned have been trained at the State and District level for implementation of ERONet in the State.

ONLINE SCHOLARSHIP MANAGEMENT SYSTEM/ NATIONAL SCHOLARSHIP PORTAL (NSP 2.0)

The National Scholarships Portal is a one-stop solution through which various services starting from student's application submission, application receipt, processing, sanction and disbursal of various scholarships to students are enabled. The National Scholarships Portal is a Mission Mode Project under the National e-Governance Plan (NeGP). Various Central and State Scholarship schemes (Post-Matric, MOMA, NSIGSE, NMMSE, Incentives to Girls for Secondary Education, etc.) have been implemented in Nagaland State by various departments such as DTE, DSE, etc.

HAPIS (HORTICULTURE AREA PRODUCTION INFORMATION SYSTEM)

HAPIS is a web-enabled information system which facilitates district wise, block wise and crop wise data entry and information retrieval of area of production, quarterly new area sown and weekly area sown on the lines of APY information system of Directorate of Economics & Statistics (DES). At present, HAPIS is being used in intranet mode and is accessible within the NIC network only.

AGMARKNET

The Portal provides both static and

State Level workshop on SPARROW at State Police Headquarters, Kohima

dynamic information relating to agricultural marketing in India.The static information is about infrastructure- related (Storage, warehousing, Cold Storage, grading and packing facilities), market-related (market fee/ charges, weighing, handling, market functionaries, development programmes, market laws, composition of market Committees, income and expenditure, etc) and promotion-related (Standards, Grades, Labelling, Sanitary and Phyto-Sanitary requirements, Pledge Financing, Marketing Credit and new opportunities available, etc.) information. The dynamic part comprises price-related information comprising maximum, minimum and model prices of varieties, total arrivals and dispatches with destination. The Agriculture Produce Markets enter data in the prescribed format, using the customized application software "AGMARK". The information is either sent through the State Government or directly to DMI Headquarters. The data from the APMCs/ markets are transferred to the portal immediately after being reported from the APMCs. It is being implemented in the State of Nagaland.

TRACKCHILD PROJECT

The Ministry of Women and Child Development has been implementing a Centrally Sponsored Scheme, namely the Integrated Child Protection Scheme (ICPS) since 2009-10. The objectives of the scheme are to contribute to the improvement in the well-being of children in difficult circumstances, as well as to the reduction of vulnerabilities to situations and actions that lead to abuse, neglect, exploitation, abandonment and separation of children. The Scheme, also envisages creating a mechanism for tracking 'missing' and 'found' children under the ICPS and Juvenile Justice (Care & Protection of Children) Act, 2000 (JJ Act). A national portal TrackChild which not only has data on 'missing' children but also connects to live databases to monitor the progress of the 'found' children who are availing various services in different Child Care Institutions (CCIs) under the ICPS and the JJ Act. The project is being implemented in Nagaland under the Social Welfare Department. NIC Nagaland has been providing training and handholding for all the stakeholders - Child Care Institutes (CCIs), JJBs, Police on usage of the Trackchild portal. In the Nagaland state portlet eleven (11) JJBs, seventy (70) CCIs, fifty six (56) Police stations have been registered and so far eight(8) and ten (10) children have been reported missing and recovered respectively.

NGO'S GRANT PROJECT

This is a common Platform for online registration of NGO's irrespective of any scheme where facility to submit online application forms for Grant-In-Aid proposals under various schemes of the Department of Social Justice and Department of Disabilities under the Ministry of Social Justice & Empowerment. In Nagaland the Social Welfare Department is implementing the project and NIC Nagaland has been providing support technically to all stakeholders – State Government and NGOs with regard to the flow of the Proposal in the online system in the site http://ngogrants.gov.in/bo-login.

MCTS (MOTHER & CHILD TRACKING SYSTEM)

The MCTS is a management tool to reduce MMR/ IMR/ TFR and track health service delivery at the individual level. It is a generic system that aims to provide information of different health services received at the individual level, by monitoring all the issues that an individual undergoes in his/ her health program. It aims to help the service provider (Health Worker or Doctor) by categorizing various health services the individual person has to be provided with. It also provides for effective monitoring of different health services. Ever since its rollout in the year 2011, the project is being implemented successfully in the State.

E-HOSPITAL

NIC e-Hospital Management System is a workflow-based ICT solution for hospitals, specifically meant for the hospitals in the Government Sector. This is a generic software which covers major functional areas such as patient care, laboratory services, work flow based document information exchange, human resource and medical records management of a hospital. It is a patient-centric system rather than a series of add-ons.

e-Hospital Modules implemented in Nagaland: OPD, Patient Registration, IPD (ADT), Billing Implementation of eHospital phase-1 completed at Civil Hospital, Dimapur on January 19, 2017 and at Naga Hospital Authority, Kohima on March 25, 2017.

MDM-ARMS (MID-DAY MEAL AUTOMATED REPORTING & MANAGEMENT SYSTEM

The MMDM-ARMS software is used for instant reporting of meals served in various schools of the State/ Country through different communication modes i.e Data collection is done through SMS (through toll free number 15544), Mobile App and though the web . It also facilitates checks on the quality of data, generates and auto generates alerts to ensure that all data is reported daily. The project is being implemented in the state of Nagaland with technical support of NIC, Nagaland.

NATIONAL TRANSPORT PROJECT

Vahan and Sarathi applications has been implemented successfully in all the 8 RTOs/ DTOs of the State. The Registration Certificates and Driving Licenses are being issued in SCOSTA-compliant Smart Cards. All technical support is being provided to the Transport Department for the implementation of the web-based Vahan 4.0 and Sarathi 4.0 applications.

JEEVAN PRAMAAN

Enrollment of all Ex-Servicemen for issue of Digital Life Certificate has been completed successfully by NIC with the co-ordination of the Directorate of Sainik Welfare and Resettlement, Nagaland. Enrollment of State Government pensioners is being taken up with the respective Banks/ CSCs/ registered service providers and NIC District Centres.

E-COURTS

Nagaland has implemented the First Phase of the eCourts project in a decentralized manner. The Second phase is being taken up and connectivity issues are being taken up with the telecom network service providers. Preparations for the roll out of online CIS 2.0 (Case Information System 2.0) is in the pipe line for the District Courts.

COMPUTERIZATION OF MUNICIPALITIES IN THE STATE OF NAGALAND

• The Housing for All (HFA)/ PMAY scheme is being implemented by ULB/ Municipalities. The data entry and geo-tagging has been done and the data uploaded in the HFA portal by SLTC (State Level Technical Cell) & CLTC (City Level Technical Cell) net connection and technical help from NIC.

• The Smart City Project for Kohima is being implemented with the technical support of NIC Nagaland. NIC officers were involved and worked with the team of consultants for preparation of the Kohima Smart City Plan.

• Development of the EoDB portal is being taken up for the Kohima Municipal Council by NIC Nagaland by customizing the NIC ServicePlus framework for providing services such as Trade License, Advertisement Tax and Cesspool.

NETWORK SERVICE- NKN/ NICNET

The NIC State Centre is connected by 10 Gbps LL connectivity from PGCIL and 2.5 Gbps from BSNL as the Primary and Secondary links respectively. These two core links provides redundant and reliable network connectivity. Wi-Fi services are provided in all the important conference halls: Secretariat Conference Hall, CM Conference Hall and CS Conference Hall. LAN is also extended to the main Secretariat building. Secretariat LAN is having structured OFC backbone having 1,200 Nodes. Dedicated 2 Mbps Wi-Max Internet connectivity has been provided to 64 State Government Directorates, Central Government Offices and Government Educational Institutes at Kohima. The NICNET Services provided is mainly used for internet access, eOffice services and online eGov Projects. The State Centre is also providing Executive Video Conferencing System to the office of the Chief Secretary and DGP for effective audio-visual communication.

The NIC Network Operation Centre (NOC) is co-located with NKN. The NOC connects all the eleven districts with 34 Mbps BSNL Leased line. The NOC is the main digital gateway for the state of Nagaland. The NKN link is connected to 9 (nine) Educational and Research Institutes including the Nagaland State IT&C department, core infrastructure projects such as the State Data Centre (SDC) and State Wide Area Network (SWAN) with a very high speed bandwidth of 1Gbps/100 Mbps LL. Twelve last mile leased line connectivity have been provided to State and Central Government Departments at Kohima and Dimapur Districts.

NIC Email Messaging has been extended to various state and central government department. Approximately 1,000 official e-mail IDs have been created in nic.in and gov.in domains.

VIDEO CONFERENCING SERVICES

All 11 NIC District Centers at the Deputy Commissioner's Office Complex and NIC State HQ at the Nagaland Civil Secretariat, Kohima are provided with High Definition Video Conferencing facility. Regular meetings are held over VC including review meetings on various centrally-implemented projects to monitor progress. Multi Conferencing Unit (MCU) is installed at State Centre. The Chief Secretary Office, Nagaland Commissioner's Office, CEO Nagaland and Guwahati High Court, Kohima Bench are connected with Video Conferencing facility over NICNET.

NIC-VC facilities are extensively used for conducting important meetings between Ministries and State Departments and within the State for reviewing and monitoring of various project and services implementation.

MINI DATA CENTRE

The NIC Nagaland Mini Data Centre is equipped with a SAN system with 5TB storage capacity, an LTO-4 Tape backup system, and 6 Rack Servers (that include 3 servers of user departments), 3 Blade Chassis with 17 Servers (that include 2 blade servers of user departments). The data centre is mainly used for hosting of e-governance applications for the State and staging for temporary hosting of applications for testing and security audit. The PFMS SFTP Server, Inner Line Permit, GST State Accounting System, Online GPF, TreasuryNET, Society Registration, Weather Watch Information System, CMS for Central Institute of Horticulture and Hardware Inventory System are hosted at NIC Mini Data Centre, Kohima.

MEGHRAJ NATIONAL CLOUD SERVICE

The state accounting package of GST developed by NIC Pune has been installed and hosted at the NIC Mini Data Centre, Kohima. This accounting application does the interfacing with the RBI e-Kuber System and GSTN Portal for sharing the challan, payment, settlement and reconciliation with the electronic Payment and Account Offices or e-Treasuries of the state and O/o of the Principal CCA (Accounting Authorities).