

Himachal Pradesh, the Abode of Gods

Adopting ICT In A Grand Way

Himachal Pradesh pioneers ahead by providing good governance to citizens by implementing important eGovernance initiatives. Besides the success of LokMitra Kendras at Panchayat level, many citizen centric services are being provided to the citizens at their doorstep. The NIC State Centre has played a crucial role in ICT development in the State since the last 28 years and majority of eGovernance applications of the State have been developed, implemented and are being maintained by NIC




AJAY SINGH CHAHAL
Sr. Technical Director
ajay.chahal@nic.in



SANDEEP SOOD
Scientist-D
sood.sandeep@nic.in

Edited by
VIVEK VERMA

 Himachal Pradesh meaning 'Snow-laden Region' or 'In the lap of Himalayas' is a beautiful State situated in the northern region of India which comprises of an area of 55,670 Sq. kms with population of about 68 lakh. This State is famous for its abundant natural beauty and is bordered by Jammu & Kashmir and Punjab in the north and west respectively, Haryana in the south-west and Uttarakhand in the south-east. The State is bordered by China in its east.

Himachal Pradesh is spread across valleys, and 90% of the population lives in villages and towns. However, the State has achieved 100% hygiene and successfully imposed environmental protection and tourism development, and it is the only State, which for bids

the use of polyethylene and tobacco products. Himachal Pradesh is one among the fastest growing States of India.

To provide good governance to the citizens, the State has been a pioneer in implementing eGovernance initiatives and with the success of LokMitra Kendras at Panchayat level, many citizen centric services are being provided to the citizens at their door-step. The NIC State Centre has played a crucial role over the last 28 years and majority of the eGovernance applications have been developed and are being maintained by NIC.

HIMBHOOMI (INTEGRATED LAND RECORDS COMPUTERISATION)

- **LRC (web-enablement):** The HimBhoomi software provides the copies of Record of Rights (Jamabandi, ShajraNasb) to citizens through the Internet and from



प्रबंधन पटल		
 3679 Total Nakals Issued Today Number of Rof (Jamabandi/Shajra) Copies Issued Through EMKs Today in the State	 1028 Total Nakals Issued Today Number of Rof (Jamabandi/Shajra) Copies Issued Today Through SMCs/Taggan Centers in the State	 +5.35% Current: 24598; Previous: 23375 %age Increase/Decrease (Over Month) Number Of Rof (Jamabandi/Shajra) Copies Issued as Compared to Last Month till Today's Date
 195 Lower Bazar Shimla-1 Rof's Issued: 2170 Top EMK Centre in State Based on Past One Month's total Rof's Issued/Issued	 CHIRGAON Rof's Issued: 2274 Top Tehsil/Taggan Centre in State Based on Past One Month's total Rof's Issued/Issued	 Shimla Rof's Issued: 23601 Top District in State Based on Past One Month's total Rof's Issued/Issued
 915203 Previous Year Rof's (Q18 date) : 762312 Total Nakals Issued in Financial Year Number of Rof (Jamabandi/Shajra) Copies Issued during current Financial Year in the State	 ₹ 2,35,31,256 Revenue Collected During Financial Year Revenue collected as Service Charges & Govt Fee during current Financial Year	 +20.00% Current: 2,35,31,256; Previous: 1,94,46,181 %age Increase/Decrease (One Year) Revenue generation as compared to last financial year (PII date)

सूचनापटल | राजस्व विभाग | भू-अभिलेख के कार्ड में | हिमाचल प्रदेश | फीचरबैक

Disclaimer : The contents of the website are informative only and for the benefit of the public. Neither NIC nor Revenue Department, Himachal Pradesh is liable for any inadvertent or typing errors. The page also provides links to the websites of other Organizations. The content of these websites are responsibility of respective organizations. Jamabandi data is as available in the respective Tehsil Computer Centres and is being made available through this page in HP. The data updation is the exclusive responsibility of

HimBhoomi web interface

Citizen Service Centres (LokMitra Kendras). The software is being web-enabled and has been integrated with both registration of deeds and the maps (musavi/tatima).

- **Registration (HimRIS):** Himachal Pradesh Registration Information System has been implemented in all the Tehsils of the state. This application helps in carrying out registration of deeds including the deeds related to Land Records. The application has been integrated with Land records to reflect the transactions in Land Records once the deed is finally endorsed as well as uses the data available in Land Records while registering the deed. The application provides facility for automatic calculation of stamp duty and registration fee as well as capturing of photographs and scanning of registered deed.
- **Digitization of Maps:** The Bhunaksha software developed by NIC headquarters is being implemented for the spatial data. Both attribute and spatial data have been integrated to issue map copy along with Jamabandi using the existing web enabled solution. The solution has been hosted on the Meghraj cloud. Web enabled Bhunaksha application will be used by revenue officials to keep the spatial data up to date by incorporating map related transactions.

HIMKOSH (INTEGRATED FINANCE MANAGEMENT SYSTEM)

- **Budget Processing (eBudget):** It covers preparation of Budget Estimates, Supplementary Budget, Re-appropriation and List of Works.

- **Budget Distribution (eVitrans):** eVitrans is linked with eBudget. All the budget allocations are being carried out by all HODs to respective DDOs. Sanction Letters are being generated. HODs can also take surrender from DDOs. DDO can receive budget allocation from multiple HODs after mapping.
- **Integrated Online Treasury Information System (eHPOLITS):** Application has been developed and hosted on Cloud and will be operational in all treasuries/sub-treasuries from April 2016.
- **Cyber Treasury (eChallan):** Through eChallan, any one can deposit government fee or tax through online payment system. The system accepts all receipts as per Estimate of Receipts. Offline challan can also be generated. Application is integrated with departmental portals of various departments for receiving payments.
- **eSalary&eBills:** Application has been enhanced to generate any bill. It has integration with eVitrans, ePension and eHPOLITS.

Pending Salary/ Salary arrears can also be generated through the new system.

- **ePension:** All the State Civil Pensioners/Political pensioners who receive pension from State Treasuries are covered under this system and receive pension through ePension portal which covers pension revision/arrears. The application is integrated with Jeevan Pramaan for receiving Life certificates.
- **eStamps:** Web based centralized solution implemented in all treasuries and made a part of eHPOLITS. eStamps maintains the record of double lock system and keep record of sale of stamps to individual/vendors.
- **eNPS:** NPS application is developed for monitoring the employees contribution, preparation & compilation of employees contribution file as per format given by NSDL and withdrawal bill (Government Share) is prepared by DTA on the basis of consolidated report.
- **AGVLC:** Data generated in system is being shared with AGHP



Budget Suggestions Portal - Launch by Hon'ble Chief Minister of Himachal Pradesh

as per their format. One Login is provided to them for downloading files.

- **eKosh:** All the payments and expenditure data is in public domain, which is being used by various stakeholders for reconciliation and budget estimations etc.

EGAZETTE

Himachal Pradesh was the first State to publish the State Gazette online, which saves time and money. eGazette is now published on a daily basis and is digitally signed. The Gazette (<http://rajpatrahimachal.nic.in>) is searchable in free text format for the last 9 years (2,350 Gazettes covering more than 22,000 notifications).

EMPLOYMENT JOB PORTAL

The web-based software has been developed for the Employment exchanges, where the candidates seeking Government and private employment can register themselves for this purpose. The Job Portal allows private industries to register and search/hire candidates as per their requirement from this database of nearly 9 lakh registered candidates. The candidates can view the status of their registration, view vacancies and renew their job card online.

ELECTORAL ROLLS MANAGEMENT SYSTEM (ERMS)

The objective of the ERMS is to leverage the use of electoral rolls generated by the Election Commission of India during the Parliament and State Assembly elections for the purpose of Panchayat/Urban Local Bodies elections, thereby saving the duplicity in efforts, time and money invested by the State Election Commission. The ERMS software solution has been

developed for management of Electoral Rolls to conduct elections for Panchayats and Urban Local Bodies by the State Election Commission of Himachal Pradesh. The software has been able to re-generate the electoral rolls for the PRI/ULB elections successfully in the last two elections held in 2010-11 and 2015-16 by addition/deletion/ updation of ECI electors on yearly basis.

INTEGRATED ONLINE HOTELS RESERVATION SYSTEM (IOHRS)

The iOHRs is a hotels reservation system (<http://hptdc.nic.in/ohrs>) developed for the HP Tourism Development Corporation which is integrated with the Mobile App and major online travel portals through a channel partner. This system can be adopted by Corporation of any State with minor customization. The software has helped to increase the business of the HPTDC besides providing better services to citizens through Internet.

MANAVSAMPADA (EHRMS)

This software takes care of all human

resource management requirements of all employees of a State. The software is hosted on the National cloud (<http://ehrms.nic.in>) and users can onboard the software by filling a form. The complete record of the employees can be captured in the software to generate the eService book, which is further kept updated through electronic transactions related to transfers, training, leave, qualifications etc. The Pension papers can be generated through the software by fetching data from the eSalary system, as being done in HP. The replication of software is in progress in the States of Jharkhand, Maharashtra, Punjab, Uttar Pradesh.

SWAYAMSIDHAM (EDUCATION PORTAL)

This portal at (<http://rmsahimachal.nic.in>) provides an online interface for teachers and students to train them in enhancing the quality of education in classes 9th to 12th by making all kinds of resources available on the Portal and enriching this content by participative contribution. The objective has been to make the schools self-reliant, self-supportive, self-accountable and



A busy day at Sugam Centre of Shimla

techno-friendly. It will establish standards for teaching-learning, assessment, school leadership and management. This will help to monitor on a continuous basis the change in learning level of students and thus making the schools self-accountable.

WORKS MIS

The Works MIS software is a web-enabled solution for covering the 14 functions of Irrigation and Public Health Department. It has been developed as a complete solution to not only automate the functioning of the entire Department, but also to provide the decision makers with sufficient online information to provide better services to citizens through proper and timely execution of water supply and irrigation schemes in the State. The software is workflow based and is capable of generating all accounting and inventory reports in real time mode. The software takes base data of schemes from the State Budget database and the planners are able to monitor these schemes through eSamiksh, a linked software.

MISCELLANEOUS APPLICATIONS

A number of useful applications for the following work areas have been developed and implemented:

- Online Permits for visiting Rohtang Pass (in Kullu District) as per direction of the Nation-

al Green Tribunal (NGT) <http://hpkullu.nic.in>

- Sealed and Restricted Road permits in Shimla city
- Telephone Directory and Billing System
- Single window interface for setting up industries in the State under ease of doing business
- JailVaarta- video conferencing of prisoners with their relatives
- REFNIC/ CM-REFNIC for mon-

eSalary			App enables all employees of the State Government to view their monthly salary and up-to-date GPF/CPF/NPS information. Detailed salary break-up for last three years available.
ePension			The State Government pensioners can view their monthly and yearly pension information break-up by entering their PPO Account number and Name.
HP Telestroke			A useful App for stroke patients to take precautions and get medical attention in the best possible manner. The doctors and ambulance staff also use this app.
Court Case Status			Search HP High Court cases based on party, case number, lawyer and store case information locally. Auto-alerts whenever the cases is listed for admission, hearing, orders, decision etc.
HPTDC			Tourism app for HPTDC, covering the complete website information in off-line mode and feature to check room availability/ booking etc.
MyDiarY			Daily engagements, names, phone, schemes, booking appointments with officers at Secretariat, Deputy Commissioner level.
X.10 Card			A useful app for candidates registered in employment exchanges for viewing their registered status and to get alerts about vacancies.
eHRMS			The complete Service Record of State Government employees is accessible and stored on smart phones for reference and regular updation.
eTransfers			Online transfer orders of major Departments that issue these orders in soft copy format only.
HP Phones			Free text, reverse search based telephone directory of the Government containing more than 8,000 telephone numbers of all Departments.
uHimachal/ HP IPR/ eGazette			These Apps bring latest updates related to Himachal Pradesh portal, Press releases and Gazette notifications.

itoring the processing and movement of references/PUCs/files

- A repository of all State Government forms at <http://himachal-forms.nic.in>
- Digitization of Ration Cards under the ePDS program

MOBILE APPS

Realising the increased usage and potential of smart phones, 18 Mobile Apps have been developed under Android, Windows and IOS platform for citizens, businesses and employees. These are being used extensively and are receiving good feedback from citizens. Based on feedback, enhancements have also been carried out in these Apps. All the Apps are available on Apple App Store/Google Play-Store/ Windows App Store and are accessible from <http://himachal.nic.in/mobileapps>. These Apps are developed in such a manner that they store relevant data on the mobile phone and the users can view this data even without Internet connectivity. Some of the popular Apps are listed below:

WEBSITE DESIGN, DEVELOPMENT & HOSTING

The State Government web-portal (<http://himachal.nic.in>) has been designed by NIC and is being maintained over the years. The portal consists of about 80 individual websites and content is hyper-linked to keep it a single point of information dissemination. The web-portal is GIGW compliant and all websites are security audited. All these websites are hosted on the NIC cloud, Meghraj and Himachal Pradesh is the first State to accomplish this task of cloud hosting. The web-portal has also won the National eGovernance and Web-Ratna awards.

NICNET/NKN

The NICNET/NKN provides Internet connectivity to the Governor Secretariat, Chief Minister Office, Vidhan Sabha, High Court, HP Secretariat, CGO complex Shimla, HIMSWAN, State Data Centre and the 12 Deputy Commissioner offices. The Video conference facility has been provided in all these offices and 4 tribal sub-divisions (Kaza, Pooh, Pangi and Bharmour) by setting up 24 VC studios. The VC set up of NIC is integrated

with HIMSWAN to provide VC facility upto Block level covering all sub-divisions and blocks. A total of 22 Educational/Research Institutes have been connected to NKN.

STATE LEVEL INITIATIVES BY NIC HP DISTRICTS

In Himachal Pradesh, the NIC District Units have also been assigned State level projects for development and coordination in the State. These projects are:

- **Transport:** The issuance of driving licenses (Sarathi) and registration of vehicles (Vahan) are coordinated by the NIC Kangra and all interaction with the Central NIC team is done by the Project Coordinator after getting feedback from all the DIOs. HP is the first State to replicate web-enabled Saarthi in 40+ RLA/RTOs by porting the existing data and offering online services to citizens.
- **The Schemes MIS software** has been developed by the NIC Mandi and implemented in the State for sanctioning and monitoring of all developmental works under the Plan head.
- **The Hot Diary Tracking System (HDTS)**, developed by NIC Hamirpur, is a system for monitoring of important communications at the Deputy Commissioner level by scanning these and forwarding electronically to field functionaries for necessary action. The software has been replicated in Governor Secretariat too.
- The NIC Bilaspur designs and develops the CMS based websites in Hindi and English. The Governor House and Hindi Rajbhasha bilingual websites have recently been developed.



Launch of Mobile App of High Court by Hon'ble Chief Justice of HP High Court

- The NIC Shimla is coordinating the IVFRT, MGNREGA and AGMARKNET National projects in State and has received appreciation from the Ministry of Home, GoI for successful implementation of the IVFRT project in State.
- The scanning of old land records is being coordinated by the NIC Una through NICSi empanelled agency for creating a document management system for the record dating back to the year 1865.
- The development of standard citizen services under the **Service Plus framework** has been assigned to the NIC Districts of Chamba and Sirmour and they have developed a system for applying and issuance of certificates to the Nursing Institutes.
- All Districts actively support the election process for both the ECI and PRI/ ULB elections for Lok Sabha, Assembly, Panchayati Raj Institutes/Urban Local Bodies in web-cast, randomization of polling parties, compilation of results and other required technical support.

DIGITAL INDIA PROGRAM AND NATIONAL LEVEL PROJECTS

Under the Digital India program, the State was among first States to implement the Aadhaar Enabled Biometric Attendance System (AEBAS) and Jeewan Praman, digital life certificates and Central/State Government pensioners. During the Digital India week, all officers of NIC contributed in creating mass awareness among citizens and launching various online citizen services. The State was award-



Award winners at National eGovernance Award 2015 ceremony. iOHS project received Gold

ed the 2nd prize in making online contributions during the Digital India week. The national level projects implemented in the State are eProcurement, MNREGA, ePRIsuite, IVFRT, NADAL, NADRS etc.

AWARDS

Various projects of NIC Himachal Pradesh have won accolades at National and International level. More than 20 prestigious Awards have been won by NIC HP including, 10 National eGovernance Awards, 4 CSI-NihilenteGovernance Awards, 3 ManthaneGovernance Awards, 3 Web-Ratna Awards and Stockhold Diploma. The Awards won during the year 2015-16 include the following:

- National eGovernance Award-Gold Icon for Integrated Online Hotels Reservation system
- 2nd Best State in the country during the Digital India Week activities
- 2 CSI Nihilent eGovernance

Awards for HimKosh and HimBhoomi software

- Skoch Award of eGovernance for Manav Sampada (10 other projects were awarded the Order of Merit)
- Swaym Sidham- Finalist in Manthan Awards.
- State Civil Services Awards for ERMS (2014) and eVidhan (2015).
- Two Papers on “eGovernance-Time to Transform and Make it Participative” and “Decade of eGovernance in Himachal Pradesh Transport Department- Towards Digital India and Way Ahead”, published in the Compendium of Papers during the 19th National Conference on eGovernance

For further information, please contact:
AJAY SINGH CHAHAL
 State Informatics Officer
 NIC Himachal Pradesh, HP Secretariat
 Shimla-171002 (HP)
 Email: sio-hp@nic.in
 Phone: 0177-2624045