

# National Informatics Centre

Ministry of Electronics & IT (MeitY)



**Punjab State**

**The Ascender January 2021  
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**eGovernance Publication**



During the COVID 19 Pandemic situation, technology has demonstrated its potential in addressing routine challenges. NIC Punjab, have been at their best in providing seamless support to the State Government and District Administrations with its digital solutions like VC, eOffice, networking,

webhosting etc..

NIC Punjab has supported State Government in most crucial time by developing and implementing IFMS to replace TCS system in a record time. NIC e-office has also replaced the TCS IWDMS for document management solution..

As we begin the New Year, let us renew our collective will to collaborate and excel in delivering the best of technology solutions as a team for building an empowered Punjab and thereby India.

All the best and Happy Reading.

**Sh Satyender Kumar DDG & SIO Punjab**



NIC Punjab  
Room No 109,  
Punjab Civil Secretariat - 2  
Sector - 9  
Chandigarh- 160009  
Phone: 91-172-2745776  
Email: sio-punjab@nic.in  
Website: pbsc.nic.in

## Inauguration of Punjab Advertisement Release Order System (PAROS) by Captain Amrinder Singh, Chief Minister Punjab

In a bid to ensure functioning of public relations department in an efficacious and hi-tech manner, the Punjab Chief Minister on 30-12-2020 (Wednesday) virtually launched a "Punjab Advertisement Release Order System (PAROS) through web cast .Apprising the Chief Minister about such unique initiatives, the Secretary, Information and Public Relations Department Sh. Gurkirat Kirpal Singh (IAS) said that the online release order system would put an end to the manual process of submission of advertisement requests/indents by client organizations and manual bill submission by the print media. The novel initiative would save time and bring transparency besides en-

sureing real time tracking of Release Order by departments & DIPR. The online billing process would be beneficial for the departmental officials and news agencies to know the status of bills, Standardization of formats across departments and news agencies and better reporting system and audit process. The Punjab Advertisement Release Order System has been developed by NIC Punjab after detailed study and Government Process Re-engineering of the end to end process. NIC Punjab has played a key role in format standardization, workflow development and overall software development. The application is accessible at URL <http://dipr.punjab.gov.in>

## Launch of E-Daakhil Portal by Hon'ble Chief Minister Punjab

Hon'ble Chief Minister of Punjab Capt. Amrinder Singh in the presence of his Cabinet Ministers of Punjab launched E-Daakhil Portal in the state of Punjab on 7th January, 2021 E-Daakhil has been developed under the new Consumer Protection Act-2019, which facilitates online filling of Consumer disputes to the various Consumer Disputes Redressal

Commission. E-Daakhil also facilitates online as well offline payment of case fee, online generation of notices to the litigants. Beside E-Daakhil also generates case status alerts information to citizen through SMS as well through Email. E-Daakhil has been implemented for State Commission, Punjab and 20 district consumer forums.

**eMPR** - a web based application for preparation, submission and compilation of monthly MPR of NIC State Divisions

and Districts Centers of Punjab. It has been developed, implemented and hosted on NIC Punjab Mini Cloud which facilitates divisions/districts to prepare

and submit Monthly Progress Reports to state unit in-charge for further compilation and for further making the same available to NIC HQ. digital portal and to Chief Secretary Office.

**MPR**
MONTHLY PROGRESS REPORT
NIC PUNJAB

Please submit the MPR for the month of **December**, 2020 immediately.  
*A complete MIS for MPR preparation, submission and completion.*

(MPR status for the month of **December**, 2020)

NIC Amritsar ✓	NIC Barnala	NIC Bathinda ✓	NIC FGS	NIC Faridkot
NIC Fazilka	NIC Ferozpur ✓	NIC Gurdaspur ✓	NIC Hoshiarpur	NIC Jalandhar ✓
NIC Kapurthala ✓	NIC Ludhiana ✓	NIC Mansa ✓	NIC Moga	NIC Mukatsar ✓
NIC Patiala ✓	NIC Pathankot ✓	NIC Ropar	NIC SBS Nagar ✓	NIC Sangrur
NIC SAS Nagar	NIC Tarantaran	Division 1 PBSC ✓	Division 2 PBSC ✓	Division 3 PBSC ✓
Division 4 PBSC ✓	Division 5 PBSC ✓	Division 6 PBSC ✓	Division 7 PBSC ✓	IVERT ✓

New Projects launch...

ONLINE Application and Permission for Ground water Users.

The Demo of SOFTWAREs given PWRDA is in the process of finalisation, which software is to be adopted for customisation NOCAP(CGWA) or OCMM5(PPCB). As per request of PWRDA, NICSI generated PI for deployment of 2 Nos. of Developers/Programmers.

Sign in to MPR

## Revenue Court Management System (RCMS)

Revenue Court Management System (RCMS) is one of the crucial project of Department of Revenue, Govt. of Punjab. RCMS has been successfully implemented for 445 revenue courts and till now more than 50,000 revenue court cases has been entered by various courts. Complete workflow has been defined in RCMS application, which covers capturing of General Case Detail, Petitioner details, Respondent Details, Land related details (wherever required). RCMS has tight integration with Land Record appli-

Department of Revenue, Rehabilitation and Disaster management has recently launched two important services 'Demarcation of land 'and 'Issuance of Non-Encumbrance Certificate'. Both the services are available from RCMS portal (<http://rcmspunjab.gov.in>). Citizen can submit online application as well as pay the required fee online. Integration has been defined in the

cation, which facilitates automatic capturing of land related data. Whenever case is instituted in RCMS application, corresponding details are automatically updated in remarks column of Jamabandi in land record database.

RCMS also facilitates generation of various types of MIS reports and Dashboard for generating reports. RCMS also has citizen interface for generation of cause list generation, checking the case status, downloading of interim/final order.

portal with Integrated Financial Management System (IFMS) for online payment of Govt. The application submitted by citizen will be directly marked to concerned Circle Revenue Officer (CRO).E-Governance service delivery rating of Department of Revenue (Govt. of Punjab) has considerably improved with the launch of these services.

## Digital India Award 2020



The Chief Guest of the event, Hon'ble President of India, Shri Ram Nath Kovind graced the occasion from the President's Secretariat through video conferencing and conferred the awards virtually. The Guests of Honour were Shri Ravi Shankar Prasad, Hon'ble Union

The sixth edition of the Digital India Awards 2020 ceremony was held on 30th December 2020 at Vigyan Bhavan, New Delhi. To promote more innovative Digital Governance initiatives, Digital India Awards have been instituted under the ambit of the National Portal of India. The awards are biennial and the previous editions have been held in 2010, 2012, 2014, 2016, and 2018. The awards acknowledge exemplary initiatives/practices of various government entities in the realm of Digital Governance.

Minister of Law & Justice, Communications, and Electronics & Information Technology, and Shri Ajay Sawhney, Secretary, Ministry of Electronics & Information Technology.

Hon'ble President of India congratulated the winners for their extraordinary service during the pandemic. He compliments NIC and MeitY for organizing Digital India Awards to recognize the noteworthy and sustainable digital-governance initiatives by government entities.

### NIC Other State Highlights

The android based Student mobile App e-KrishiPathshala has been inaugurated at Indira Gandhi Krishi Vishwavidyalay (IGKV), Raipur by the Chief Guest Dr. R.C.Agrawal, Deputy Director General (Agril. Education) ICAR, New Delhi. The Mobile App has been developed by IGKV and NIC Raipur with a view to facilitate Agriculture university students to carry out learning activities online in the prevailing pandemic times.

Shri. V P Singh Badnore, Hon'ble Gover-

nor of Punjab and Administrator Chandigarh UT launched "One Nation One Ration Card (ONORC) Scheme" on 31st October 2020. The ONORC software has been developed by NIC. Chandigarh UT is the first State/UT to implement ONORC with integration of DBT.

The Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal launched the National Informatics Centre (NIC) developed Kisan Rath App on 6th October, 2020 for Assam.

## Punjab ITI eCounseling

is one of the prestigious, time critical project of Department of Technical Education and Industrial Training, Govt. of Punjab executed by NIC, Punjab. It covers admission to 406 Industrial training Institutes (Govt. as well as Private) for 224 number of trades both Engineering and Non-Engineering. Punjab was the first state to implement ITI eCounseling and other states followed Punjab model. Punjab ITI eCounseling was also awarded Best eGovernance Skoch award. Punjab ITI eCounseling-2020 facilitates online registration, document uploading and verification, online payment of registration and admission fee, rank generation, choice filling as per his/her preference,

seat allotment as per candidate eligibility, online reporting, up gradation of seat in subsequent rounds of counselling. SMS are also generated for candidates during the various stages and on-board dialling service was integrated in ITI-eCounseling-2020. Four rounds of online counselling has been implemented for Punjab ITI eCounseling, which covers 80839 numbers of seats. Seat allotment is done on the basis of criteria decided by Punjab Govt. Candidates need not to visit physically for any type of activity related to admission process. Punjab ITI eCounseling-2020 not only covers the admission activity related to candidate but it has also got interface for department to generate various kind of MIS, data analytical reports.

## GePNIC Punjab

Government e-Procurement system (GePNIC) has been developed to cater the tendering requirements. This can easily be adopted for all kinds of procurements such as Goods, Services and Works. Broad Product functionalities are registration of Government officials and bidders in different roles, tender creation (multiple packets) and publishing RFP/RFQ/EOI/Global tenders with multi currency/open/single/limited/tender cum auction (eRA), corrigendum, decisions of pre-bid meeting, online bid submission/resubmission/withdrawal, item wise evaluation, configurable technical parameter sheet, auto tendering process with automatic technical evaluation, quality and cost based selection, online payment of tender fee/earnest money deposit and automatic refund, forward and reverse auction, complete transparency in public

domain and SMS/mail alerts. Security features and transparency indicators are two factor authentication, bid encryption (technical and financial) at client end, encryption using PKI technology, digital signing of all documents, secured hosting, role based access, log shipping, NTP configured, 24 X 7 availability visibility of each other's offers for participating bidders after opening and periodic audits by STQC Electronic tender traffic per month is around 3,000 (approx.) tenders per month.

**A total of 105000 tenders have been published so far with an estimated value of Rs. 70000 Crores (approx.). A total of 108 purchasing agencies and 1000+ Tender Inviting Authorities (TIAs) use the GePNIC platform. Further, the system has 4283 registered department users and 27301 registered suppliers.**

District Units are continuously providing technical support to district administration for various on-going applications and routine VC services. During this COVID 19 Pandemic, NIC district centres are providing all the necessary support for upcoming Municipal Councils and Nagar Panchayat Election 2021. NIC Amritsar has provided all the technical support for a state level function organized on Maharishi Valmiki Jayanti

with Internet connectivity from BSNL and Connect, setup of VC inside shrine and live streaming on Facebook was provided by NIC Amritsar and this event was attended by Honourable CM of Punjab. Online Counselling 2020-2021 for IKGP-TU, MRSPTU and Punjab Agricultural University started on Unified Counselling Platform. Counselling for all courses completed successfully.



**eCartoNIC**

Why not social media magically solves all our problems ?

Why not everyone is as good as in their status or posts ?

## Hyper-Converged infrastructure (HCI)

It is a software-defined, unified system that combines all the elements of a traditional data center like storage, compute, networking and management. It uses software and x86 servers to replace expensive, purpose-built hardware. It uses different approach to a data center, decrease data center complexity and increase scalability. It removes the SAN completely. The hypervisor, server, and storage are now all fused into a single appliance called a node. To scale the solution, you just need to deploy additional nodes. The HCI is available from a single vendor who is responsible for providing support both for hardware and software issues. The platform comes pre-configured and it takes less time to deploy the solution as all technologies are integrated into one.

- ◇ Networking virtualization
- ◇ Advanced management capabilities including automation

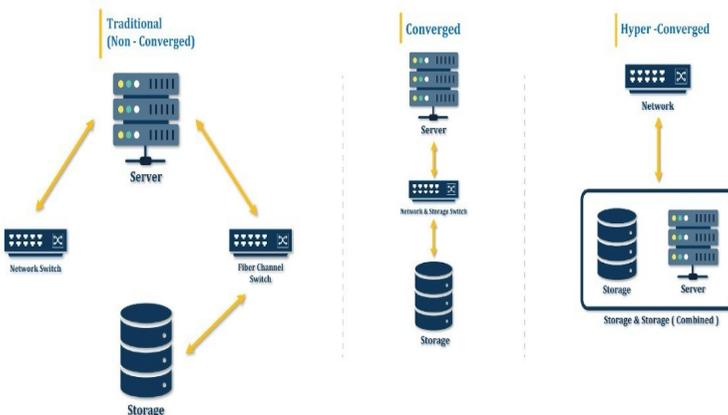
The virtualization software abstracts and pools underlying resources and dynamically allocates them to applications running in VMs or containers. Configuration is based on policies aligned with the applications, eliminating the need for complicated constructs like LUNs and volumes.

Server virtualisation helped in a drastic reduction in the amount of equipment used in the average data center. This consolidated the data center from a sprawling series of servers to something more manageable. HCI is the next step in this consolidation trend.

Following four tightly integrated software components make up a hyper-converged platform:

- ◇ Storage virtualization
- ◇ Compute virtualization

Hyper Converged systems, lower the data centre footprint, simplify management, and increase infrastructure efficiency.



Traditional Vs Converged Vs Hyper-Converged