High Level Bridge Ropar

Punjab PWD B&R

UNLEASHING THE POWER OF TECHNOLOGY IN BUILDING PUNJAB AS ONE OF THE LEADING STATES

DIGITAL Punjab   Vol. 4

Implementation of iHRMS Punjab for PWD - (B&R)….

As per the mandate of the Government of Punjab the iHRMS for better management of personnel through electronic service record has been adopted for use in PWD B&R. The iHRMS will assist the top management in knowing the exact number of employees, their retirement pattern, additional requirements in coming year for planning recruitments, funds required for retiring employees, re-allocation of surplus employees to other Departments/organizations within the State, ACR/ Property Return status, seniority lists etc. The system will also enable employee self-services such as, pay slip generation, leave record and various other employee related facilities to get delivered in their respective logins/official email IDs.

As on date the service books of all the employees of PWD from top to bottom have been digitized and made available in the iHRMS. All the employees can access their respective digitized records by logging into the iHRMS using their respective employee IDs and password.

URL to access iHRMS :

https://hrms.punjab.gov.in

Screen shot of iHRMS Application

Asset Inventory-Buildings

An online repository of all the buildings designed and constructed by PWD B&R both for the various State Government Departments and PWD B&R has been created in PWDIMS. The module has been designed and developed to feed online and generate reports with various options. An online Business Intelligence dashboard with segregation of different types of buildings has been developed under this module.

URL to access:

https://pwdims.pwdpunjab.gov.in

Capt. Amarinder Singh
Chief Minister, Punjab
Patron-in-Chief

Sh. Vijay Inder Singla
Public Works Minister
Patron

Sh. Hussan Lal, IAS
Secretary Public Works
Patron

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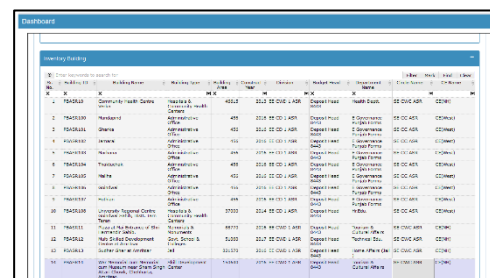
Screen shot-Asset Inventory Buildings

Enlistment of Contractor

An online facility for enabling the interested Contractors to get enlisted with PWD for undertaking the works of construction has been developed. The module has been designed with a functionality of getting the PAN numbers validated from NSDL and only the validated PANs will be allowed for filling the online enlistment form.

The development has been completed and as per the guidelines of CERTIN is in the process of security vulnerability testing and audit.

The module is most likely to be operational in the month of October, 2019 which will be made available on the PWD Punjab Website.

Punjab Sadak Sewa

A citizen centric Mobile App for reporting the road conditions along with attaching of Geo-tagged photographs and submitting feedbacks has been developed and is made available on Google Play store. The Mobile App has also got the functionality to allow the users to view the already submitted feedbacks.

All the feedbacks submitted through the Mobile app are reviewed, monitored and action taken using the Punjab Sadak Sewa Dashboard. The Punjab Sadak Sewa is an online web application developed for capturing the feedback and disposing off feedbacks.

An administration module for managing the user accounts and the access levels has also been developed whereby the entire process of creation, assignment, management of user accounts and review, monitoring of feedbacks is carried out online using the application.

Screen shot of Punjab Sadak Sewa Mobile App...

Punjab Road GIS

URL: https://punjabroadsgis.gov.in
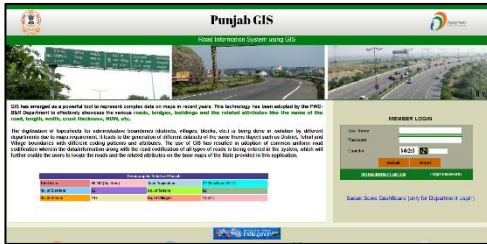
A State wide Roads Portal using GIS technology has been implemented, where almost 72,000 km of roads have been digitized. The Portal also has the facility to drawn and digitize the future roads and is an excellent tool developed, which is being used for planning of road infrastructure in the State.

The portal is further supported with a Punjab Sadak Sewa mobile application which is developed to capture the public grievances pertaining to the roads of the State.
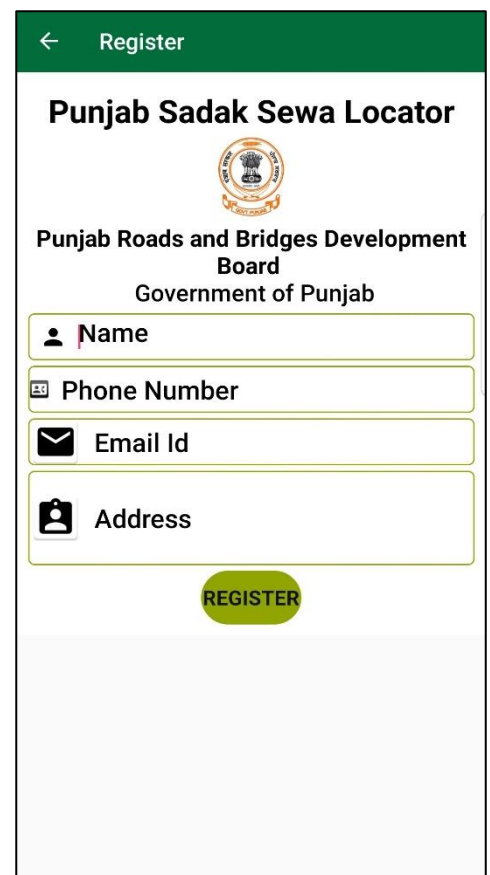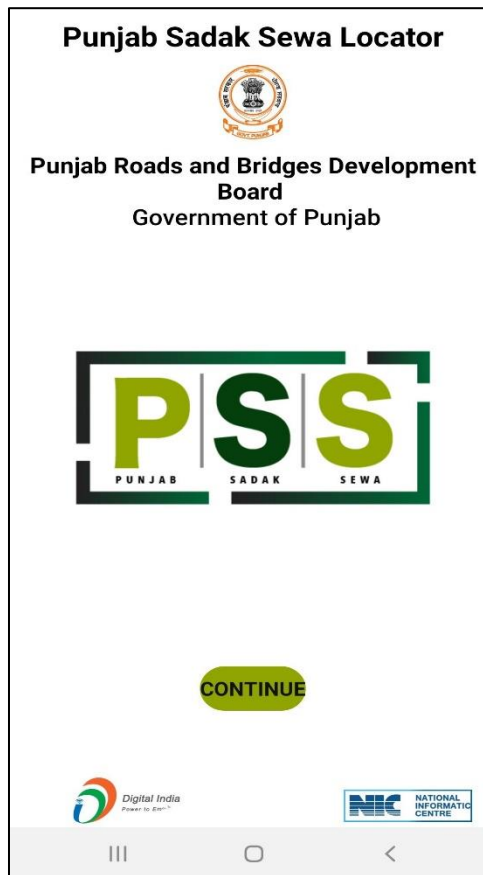
Salient features of Punjab Roads GIS Portal..

1. Digitization of Plan roads (NH, SH, MDR & ODR) and PMGSY roads (CN & DRRP) with Geo-tagging of attributes.
2. Future Planning, designing and creation of roads.
3. Seamless import & export of Digital information.
4. Integration of spatial data with MIS data.
5. View and analysis of road infrastructure i.e NH, SH, MDR & ODR and Link Roads.
6. Data input and validation facility at field level.

PWD B&R- Adopting techno innovations in Road Construction

Upcoming Projects

Implementation of ETC on State Toll Plazas

As per the mandate of the State Government to work with transparency and provide effective & efficient delivery of services, the Toll Plazas on the State Roads are being automated by enabling Electronic Toll Collection facility which will be synchronized with all the NHAI Toll Plazas.

This will not only provide an efficient way of service but will also enable to Government to monitor and manage the toll collections in a much transparent and effective manner.

Knowledge Document System for PWD

In order to create and manage the electronic documents (rules/acts/guidelines/notification/technical literature) and other related information which can be viewed, searched and shared so as to support the PWD users in carrying out day to day work, a knowledge portal has been planned to be developed.

The Knowledge Portal will act as a Central Repository where all the useful artifacts related to Engineering works will be collated and published online.

The overall idea is to have a quick and easy retrieval of documents with a content based easy search.

The Knowledge Portal will be integrated with PWDIMS and other important applications like e-Office to function as a reference library which can be used as and when required.

## Online Employee Transfer Module

A module for updating the transfer postings of PWD B&R employees an online functionality has been developed and published on Punjab PWD website. As per the instructions issued by the Government from time to time regarding transfer postings, the changes are updated online using this module. The output reports are generated and are placed under the about us link of the PWD Punjab website.

E-Office Implementation in PWD-B&R

URL to access: https://eoffice.punjab.gov.in
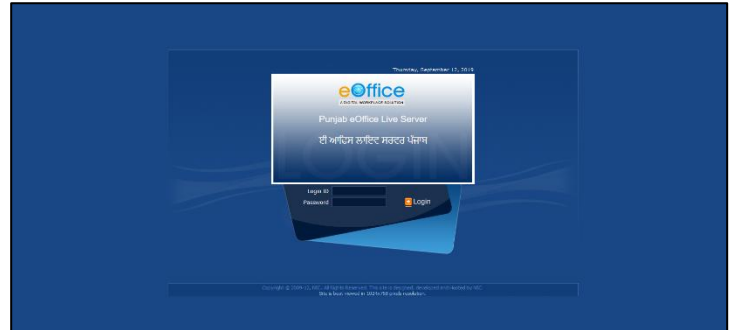
An online work flow based system for handling of files in a more efficient electronic manner through e-office application developed by NIC, Govt of India has been adopted by PWD B&R. The system involves all stages, including electronic, diarization of inward correspondence, creation of files, movement of correspondence, files, electronic signing of noting and drafts using digital signature certificates (DSC), e-sign and archival of records.
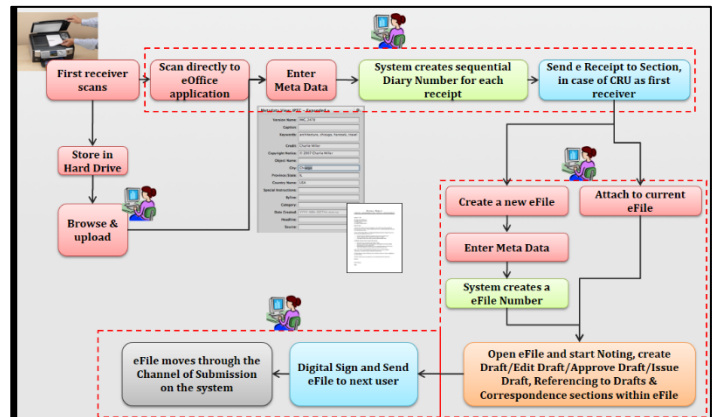
Screen shot of e-FILE Process..

At present the e-office application is being implemented in four selected divisions as Pilot and upon successful implementation in these four divisions the e-office will be further rolled out in the entire PWD.

Once rolled out the system will ensure effective, efficient, timebound delivery of services and works in a transparent manner

PWD-B&R creating effective, efficient platform for Work Execution

Star Performers of PWD - B&R

Er. VK Chopra
Chief Engineer (CE) Electrical
For implementing end to end workflow based EPM module in Electrical Wing of PWD

Er. Pawan Kumar
Executive Engineer PWD B&R
For spearheading the implementation of EPM in Mukerian Division of PWD

Er. Deepak Goel
Executive Engineer PWD B&R
For spearheading the implementation of EPM in Patiala Division of PWD

Er. Bankesh Sharma
Executive Engineer PWD B&R
For spearheading the implementation of EPM in Nabha Division of PWD

Er. Reet Jashan Sidhu
Sub-Divisional Engineer PWD B&R
For spearheading the implementation of EPM in Construction Sub- Division No.4 Patiala of PWD

Er. Vaneet Singla
Sub-Divisional Engineer PWD B&R
For spearheading the implementation of EPM in Construction Sub- Division No.1 Nabha of PWD

FOR MORE INFORMATION

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Helpdesk

- A dedicated helpdesk has been established in PRBDB, SCO 60-61, Phase 2, Mohali office for addressing issues & concerns of the PWD Users relating to all types of Hardware, & Software Issues under the PWDIMS Project.
- The users of PWD-B&R can raise tickets based upon the type of the issues, which are handled by Technical Experts for a quick and a prompt resolution.
- The Help desk is also supported through telephonic support where the users of PWD-B&R can call and get their issues registered.

Dial PWD Helpdesk
0172- 5134608
or raise a ticket at
http://202.164.54.243:8081
for Hardware & Software Support

PWD-B&R taking steps for contribution to DIGITAL PUNJAB