



CHC Dhariwal



PUNJAB PWD (B&R) Digital Dashboard

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

IN THIS ISSUE



Capt. Amarinder Singh, Chief Minister, Punjab

The Govt. of Punjab envisages providing State-of-the-art infrastructure by way of high quality roads & buildings in all Districts of the State. This will also provide smooth & brisk connectivity to establish a Business friendly environment in Punjab. Our objective is to improve and transform quality of life and infrastructure & public services. PWD-B&R is committed towards creating digitally enabled processes & using modern technology by way of implementing an effective, efficient & result oriented platform, thereby putting Punjab firmly on the road to making it the most progressive State.

DIGITAL Punjab

- Computerization of Works
- GIS enablement of Roads
- e-Procurement
- Leveraging of State Government Infrastructure

PWDIMS Go-Live

(Public Works Department Integrated Management System)

The Computerization Project has been conceived under the Punjab State Road Sector Project with a Loan Assistance from the World Bank for the upgradation and rehabilitation of State Highways and Major District Roads for the State of Punjab.

Project Hosting

The Project has been hosted on the Government of India Cloud "MEGHAJ" and is accessible to all through internet.

The project was envisaged to be carried out in a phased manner with primary objectives referring to implement e-Governance in the workflow system of the department.

The following objectives have been set to be achieved through this project: -

- 1) Integrated computerized system
- 2) Efficient & standardized process work flows.
- 3) Real-time updated information availability.
- 4) Improved & efficient Project Management.



**Vijay Inder Singla
Minister, Public Works**

Public Works Department (B & R) envisions creating a platform for Effective, Efficient & Transparent Service Delivery thereby strengthening the internal operations with a commitment to deliver Quality Works.

- 5) Efficient use of GIS for Road & Bridge Mgmt. & Maint., Project Preparations.
- 6) Effective linkages, collaboration & coordination with stakeholders for real time data sharing (MoRTH, PMGSY, PIDB, NABARD etc.).
- 7) Automated procurement, e-Tendering, evaluation of tender & allotment of works.
- 8) Timely delivery of services to Client Depts. in respect of building works.
- 9) BI for Decision Making support enabling efficient & effective monitoring.

URL to access PWDIMS

<http://pwdims.pwdpunjab.gov.in>



**Hussan Lal, IAS
Secretary,
Public Works**

The Department has been mandated to improve its internal operations as well as its service delivery with the aim of becoming a socially committed, professionally managed & forward looking organization.

PWD-B&R marching digitally for making PUNJAB – the most promising State

PWDIMS Trainings

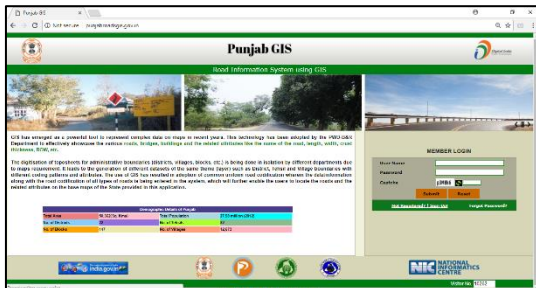
For the purposes of getting the users adapt and accustomed to the PWDIMS usage, several trainings were conceptualized, planned & executed. The various trainings designed and delivered are as follows:

- a) **Leadership Training**
This training has been specifically designed for the top management comprising of Secretary, CEs & SEs of PWD-B&R.
- b) **Application Training**
The Application Training is a hands-on training on the use of the respective modules and is meant for Master Trainers.
- c) **Technical Training**
This training lays emphasis on configuration management, roles & responsibility assignment, hierarchy setting and office creation and is specifically designed for Master Trainers.



Excellent initiative by Electrical & Mechanical Wings of PWD (B&R)

Under the able leadership & guidance of Sh. V.K Chopra, CE (Electrical), trainings being imparted to the Electrical & Mechanical Wing officials.

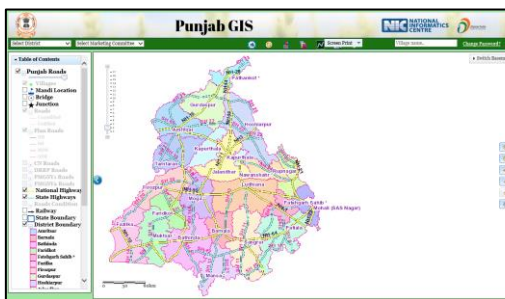


Punjab ROADS GIS Portal

<http://punjabroads.gis.gov.in>

The Punjab Roads GIS Application has been developed with a purpose to digitize the road network of Punjab. This application covers all types of roads such as NH, SH, MDR, ODR, PMGSY. It is an endeavor to showcase the various roads and their related attributes like the name of the road, length, width, crust thickness, ROW, etc. using GIS on a digitized map. The following is the overall scope of the application:

- Digitization of Plan Roads (NH, SH, MDR & ODR) with Geo tagging of attributes of Roads, Bridges & Junctions and PMGSY Roads covering DRRP & CN.
- Future Planning & Designing & creation of Roads
- Seamless Import/ Export of Digital information
- Integration of Spatial Data with MIS data.
- View & Analysis of Road Infrastructure i.e. NH, SH, MDR, ODR & Link Roads
- Data input and validation facility at Field Level



Transforming PUNJAB as one of the most Progressive State

LEVERAGING STATE INFRASTRUCTURE

MEGHRAJ Cloud

The Government of India through National Informatics Center (NIC) has established an e-Governance Cloud for hosting of IT infrastructure. PWD-B&R has leveraged this facility and hosting the PWDIMS application and PWD Punjab website on this Cloud.



State Data Center, Mohali

The Punjab Government has established a facility for all the Government Departments of the State for hosting of their IT infrastructure. PWD (B&R) has leveraged this facility and has deployed servers for hosting of applications.

Punjab Mail Server @GOV.IN

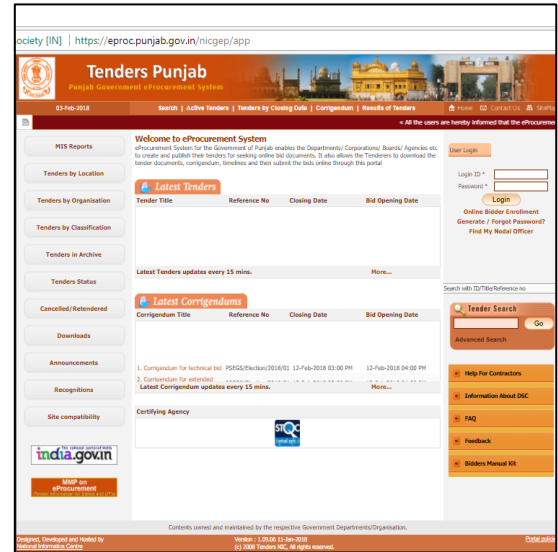


The Government of Punjab has leveraged services from Government of India, wherein all the State Government Department users have been configured for access to email. The Mail server is hosted in the Data Center New Delhi. PWD-B&R has got 400 email address configured on the mail server.

e-Procurement Punjab Portal

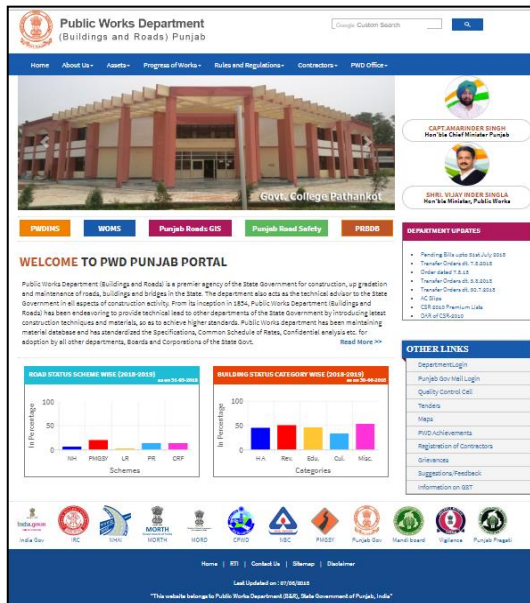
<http://eproc.punjab.gov.in>

The Punjab Government has recently introduced one single common portal for the entire State which is to be used for e-Procurement purposes. This initiative has been taken up with a view to streamline the procurement process thereby standardizing the process all across the State. The Portal is developed by NIC and is hosted in the NIC Data Center.



PWD (B&R) Website

<http://pwdpunjab.gov.in>



The PWD-B&R website is a dynamic website driven by Content Management System (CMS). The progress of works of various projects are updated on the Website on a regular basis wherein deputed personnel from each Circle logs into the website and updates the progress on a monthly basis. The website is available in UNICODE font i.e. both in English & Punjabi. All the updated rules, circulars, notices, guidelines and acts are also available on the Department Website.

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

Star Performers of PWD - B&R



Vikas Gupta
Superintending Engineer
Electrical Wing, Patiala

He has been spearheading the initiative of implementation of PWDIMS in Electrical Wing of PWD-B&R.



Kunal Sapolia
Sub-Divisional Engineer
Mechanical Wing

As a Master Trainer he has imparted several trainings to the respective users in Mechanical Wing.



Gurpreet Kaur
Junior Engineer, Electrical Wing

As a Master Trainer she has imparted several trainings to the respective users in Electrical Wing.



Reetinder Kaur
Junior Engineer, Electrical Wing

As a Master Trainer she has imparted several trainings to the respective users in Electrical Wing.

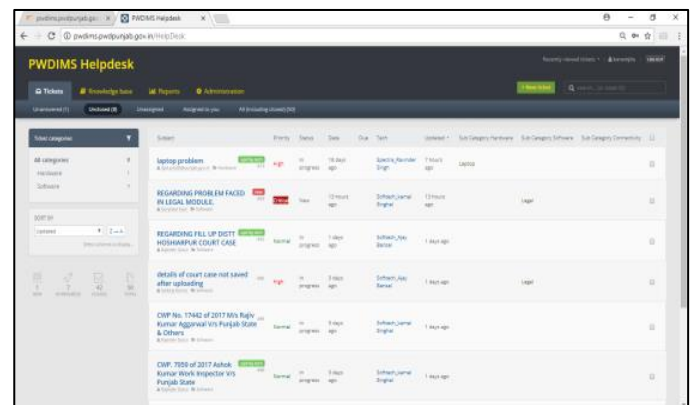
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Helpdesk

- 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 creation of DIGITAL PUNJAB