






## PUNJAB PWD (B&R) Digital Dashboard

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

DIGITAL Punjab Vol. 8



**S. Bhagwant Mann**  
Hon'ble Chief Minister,  
Punjab



**S. Harbhajan Singh**  
Hon'ble Power & Public  
Works Minister

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## BUDGET INTEGRATION of PWDIMS with IFMS

The department with a view to effectively utilize the funds provided by the State Government to carry out infrastructure works has implemented a real time integration of the Budget provisioning, bills presented, bills cleared and Balance available in PWDIMS wherein the information is being made available through API integration with IFMS (Integrated Finance Management System) of the State Finance Department.

Each Budget head is linked to the various schemes which projects the budget provisioning and expenditure, balance funds available under each of the respective head of accounts mapped to the various schemes of the department. The data is auto-fetched from the State Treasury with a token refresh time every day so that the dashboard presents always updated data in PWDIMS.

The integration has been of great help for the department wherein it allows to plan and execute projects/works in a more efficient, effective and transparent manner.

This dashboard feature has been made available under login of all Officers of the department starting from Secretary upto Sub-Divisional Engineer Level. The facility is available on the home page which can be viewed after logging into the PWDIMS application. Also, available are other dashboards like Finance, Asset, EPM, etc. which can be viewed by clicking the tabs available on the top of the dashboard screen. Each and every dashboard allows to present a holistic picture of the various important parameters such as Budget, Finance, Assets, Amendment Slips of CSR (Common Schedule of Rates 2020).



**Sh. Nilkanth S Avhad, IAS**  
Secretary  
Public Works Department



**Sh. Harish Nayar, IAS**  
Special Secretary  
Public Works Department



**Sh. Paramjyoti Arora**  
Chief Engineer (PRBDB) -  
cum- Jt. Secretary

Status As On 03/10/2023 11:29:51 PM

Budget Year: 2022-2023

Sr.No	Head Id	Budget Provision	Online received From FD	Online issued DDOs	Bills Presented PWDIMS	Bills Presented IFMS	Total Bills Presented	Bills Cleared	Bills Not Cleared	Balance
			Amount(₹)							
1	2059	65,90,00,000.00	65,90,00,000.00	43,83,97,923.00	66,68,580.00	31,84,96,981.00	32,51,65,561.00	63,67,753.00	3,00,827.00	22,06,02,077.00
2	3054	1,40,00,00,000.00	1,40,00,00,000.00	45,54,72,788.00	17,98,03,948.00	16,63,48,391.00	34,61,52,339.00	17,34,84,859.00	53,91,741.00	94,45,27,212.00
3	4059	1,36,01,00,000.00	1,36,01,00,000.00	29,06,91,772.00	0.00	29,01,38,180.00	29,01,38,180.00	0.00	0.00	1,06,94,08,228.00
4	5053	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	5054	13,59,79,00,000.00	14,69,06,00,000.00	5,58,47,35,736.00	2,55,11,39,759.00	2,91,20,31,060.00	5,46,31,70,819.00	2,50,70,85,107.00	3,85,31,010.00	9,10,58,64,264.00
6	5475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>17,01,70,00,000.00</b>	<b>18,10,97,00,000.00</b>	<b>6,76,92,98,219.00</b>	<b>2,73,76,12,287.00</b>	<b>3,68,70,14,612.00</b>	<b>6,42,46,26,899.00</b>	<b>2,68,69,37,719.00</b>	<b>4,42,23,578.00</b>	<b>11,34,04,01,781.00</b>

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

## GeoSadak - Online Geospatial Transaction System for PMGSY

GeoSadak is Online Geospatial Transaction System for PMGSY. Satellite base maps from external sources are incorporated, including ISRO Bhuvan satellite data.

The portal has been designed with the following functionalities:

- Upload GIS data (shape file) online and get published automatically. Add/delete/modify vector layers online
- Network analysis provides shortest distance for spatial analysis

The system accesses the information of geospatial features live from OMMAS and generate user specific maps and reports dynamically.



The system has been enabled with Open Data System wherein the road data shape files have been made available for downloading using a simple selection-based download facility.

Further, by using or downloading the dataset, you are **self-certifying** to be within the rights granted on the use of geospatial data as prescribed by the "Guidelines for acquiring and producing Geospatial Data and Geospatial Data Services including Maps" or any policy that follows the former on that matter. The data has been published under Government of India's Open Data License and the system has been developed by CDAC for the Ministry of Rural Development under the PMGSY Project.

**URL for accessing GEOSADAK:** <https://geosadak-pmgsy.nic.in>

## Bhuvan - Geo Platform of ISRO for PMGSY Roads

Under this project National Remote Sensing Centre (NRSC) and National Institute of Rural Development (NIRD) has jointly taken up to produce geospatial datasets for the country. This project is to extract and identify roads connectivity status in terms of length based on inputs provided by NRIDA. This includes generating a spatial database on road connectivity with respect to habitations connected under completed roads. Hence, it is essential to generate a rural road map based on satellite imagery for the roads sanctioned from the year 2000-01 onwards for further investigation and analysis.

**URL for accessing Bhuvan for PMGSY:** <https://bhuvan-app1.nrsdc.gov.in/pmgsy/home/index.php>

## PM GatiShakti - Street Furniture Mapping

The Department of Industries & Commerce with an intent to get the 5G Small Cells deployed in the entire state has desired to capture the information relating to various Street Furniture i.e. Electric Poles/ Traffic Light Poles/ Bus Terminals and Bus Shelters and Government Buildings (State Govt./Central Govt./ PSUs).

The exact locational attributes containing the Latitude and Longitude of the Street Furniture. The entire project is being rolled out by Department of Telecommunications wherein planning has been already done to roll out 5G Mobile Network on priority in the State.

The entire data will also be forming a part of the PM GatiShakti State Master Plan and the further roll out and installations will be carried out through planning conducted on the PM Gati Shakti Portal.

### Imp. URLs for Field Offices of PWD (B&R)

- Public Works Department Integrated Management System**  
<https://pwdims.pwdpunjab.gov.in>
- Website of PWD Punjab**  
<https://pwdpunjab.gov.in>
- Website of PRBDB**  
<https://prbdb.punjab.gov.in>
- Database of all Central enactments and their subordinate legislations**  
<https://www.indiacode.nic.in>
- Punjab Government Email**  
<https://email.gov.in>

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

## Monitoring of Toll Roads - BOT Checklists

The State Roads have been provisioned with State Toll Plazas wherein Concessionaire Agreements have been signed with Concessionaires for a specified period where the Concessionaire has been assigned responsibilities to install and run toll operations. Now, in order to ensure that the Concessionaire is complying and fulfilling all the required conditions as per the Concessionaire Agreement, checks have been formulated to validate these operations as a part of the Concession Agreement.

In this regard, BOT Checklists have been prepared and are made available online through a method of google sheets, so that the respective Field Officers responsible for the respective State Toll Road can validated various components as per the Concession Agreement. Through the introduction of these BOT Checklists, the overall monitoring activities has been smoothened and fastened enabling tracking of lapses in maintenance activities without delay.

These checklist performas are filled by the respective Field Offices at the time of inspections which are carried out out on Daily /Monthly/ Bi Monthly/ Bi yearly/ 6 monthly /Yearly basis.

## CBuD (Call Before You Dig)

Various agencies often undertake excavation activities and many times underground utility assets get damaged. This may be due to lack of knowledge of excavation agencies about existing utilities or lack of coordination with utility asset owner agencies.

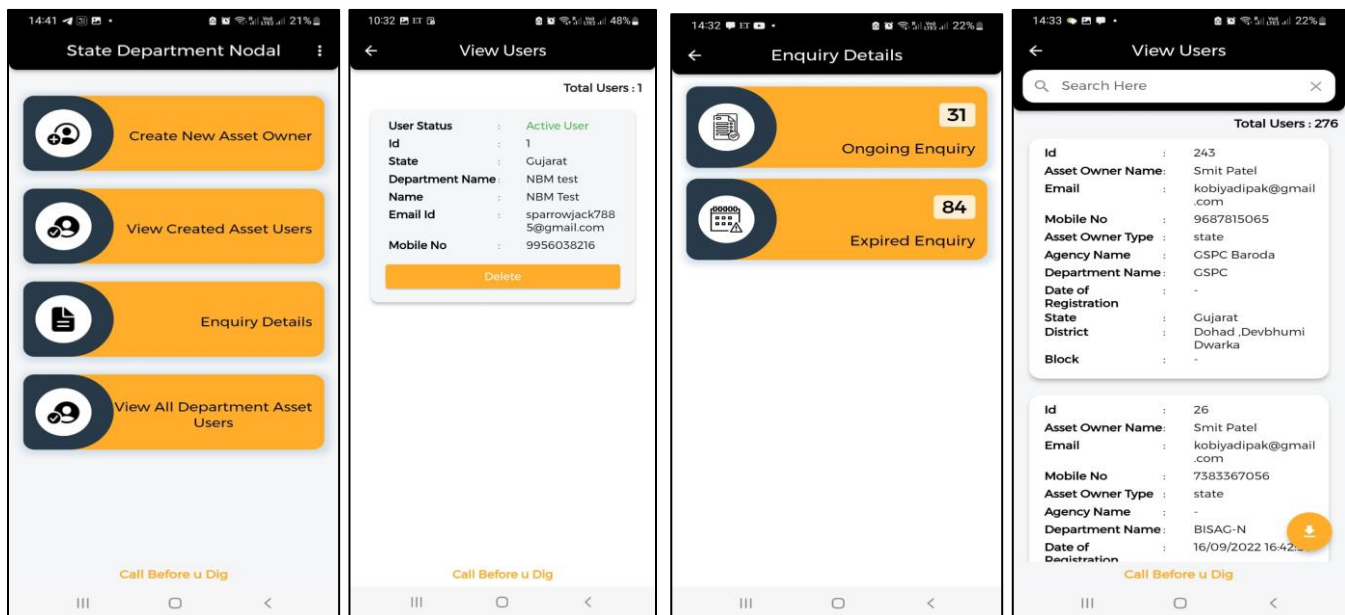
### Objectives

To provide an interface and communication channel to:

- Excavation / Digging agencies
- Utility Asset Owners
- Coordinate for proposed excavation / digging activities and to safeguard existing underlying utility assets like Optical Fibre Cables, Water Pipelines, Electric Cables, Gas Pipelines etc. from damages.

### Features of CBuD App

- "Call Before u Dig" CBuD - Mobile and can be downloaded on App android & iOS devices.
- Excavator can submit excavation/digging plan and know contact details of utility asset owners for coordination before start of excavation.
- Utility Owners – will get details submitted by excavators about excavation activity, know contact details of excavator and interact with them.
- Excavators/utility asset owners will be given alerts via SMS, email and in-app notification and will also have the facility of 'click to call'.



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

## Star Performers of PWD - B&R



**Er. Peeyush Aggarwal**  
**Executive Engineer**  
 Exemplary Services rendered in delivering works in PD, Patiala



**Er. Pradeep**  
**Executive Engineer**  
 Dedicated & Hardworking Officer with outstanding Work Execution in CD1 LDH.



**Er. Manoj Kumar**  
**Executive Engineer**  
 Exemplary Services rendered in delivering works related to Buildings in HQ, Patiala



**Er. Harjinder Singh**  
**Sub-Divisional Engineer**  
 Outstanding work in Road Safety & PMGSY related Tasks



**Er. Vishal Jangral**  
**Sub-Divisional Engineer**  
 Exemplary Works carried out in construction of ROBs, Land Acquisition, Forest Clearance cases.

**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.
- 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**  
**For PWDIMS**  
**0172 – 5134663**  
**For e-Office**  
**0172 – 5134665**  
**For Hardware**  
**0172 – 5134608**  
 or raise a ticket at  
<http://202.164.54.243:8081>

