Government of India National Informatics Centre West Bengal State Centre



July'2025

<u>Index</u>

Name of Project IFMS(Integrated Financial Management System)	Slide No 6
WBJIT(West Bengal Just In Time System)	7
UPMS(Unified Project Monitoring System)	8
West Bengal DBT	9
Lakshmir Bhandar	10
Jai Bangla	11
Election Projects(Manpower Management EMMS & CEMS)	12
Tourism portal and mobile App for Kalimpong	13
AppComs and Dynamic Web site of West Bengal Information Commission	14
Silpasathi	15
BMSSY (BINA MULYA SAMAJIK SURAKSHA YOJANA)	16
WBBCCS (West Bengal Bhabishyat Credit Card Scheme)	17
Directorate of registration and stamp Revenue	18
Land & Land Reforms & Refugee Relief	19
e-PBGSBS Management System	20
e-services for DoE	21
e-services for Factories	22
e-services for Boilers	23
Portal for Labour Commissionerate	24
Portal for Labour Department	25
e-allotment of Rental Housing Estates, Housing Department	26
e-Services of MSME Directorate	27

<u>Index</u>

Name of Project	Slide No
WBTIS	28
Khadhyasathi	29
Agricultural Marketing Department	30-31
E-com Tax	32
West Bengal Procurement Portal	33
Marriage Registration portal	34
Banglar Siksha	35
Integrated Online Salary Management System	Version 2.036
School Information System	37
IOSMS Version 2.0	38
West Bengal Student Credit Card Scheme	39
Merit Cum Means Scholarship	40
NextGen Kanyashree Online 9.0	41-42
NextGen Rupashree Online 3.0	43
Child Marriage tracking & Reporting v1.0	44
Face Recognition as a service	45
Face recognization based Attendance system	46
FRBAS in Action in Utkarsh Bangla	47
Features of Al Abhigyan AADHAAR	48
Al-Enabled Person count Services of NIC	49
AI Eabled beneficiary de-duplication	50
Al Enabled Cardamom Leaf Disease Classificat	tion51
AI Services for e-Nathikaran	52

<u>Index</u>

	Slide No.
Al Sanlaap	53
Al Anurup	54
State projects:G2E	55
Eastern Coalfields Limited	56
BCW Department for Caste Certificate Application(OSCAR)	57
eAbkari	58
eCounselling for WB	59
West Bengal Social Registry System	60
Port Operation Management System(POMS)	61
Enterprise Business Application System(EBAS)	62
E-Court	63-64
eOffice	65
Serviceplus	66
e-challan	67-68
iRAD	69
PUCC	70
SARATHI	71-72
VAHAN	73
e – detection	74
West Bengal Data Center	75
WB NAPIX	76
Unified DevSecOps Framework	77
DGX A100:Universal system for AI Infrastructure	78
NICNET	79

Name of Project	<u>Index</u>	
		Slide No
Video Conferencing Services (PRAG	iATI)	80
National Knowledge Network (NKN	()	81
DISTRICTS AT A GLANCE		82-88

Integrated Financial Management System (IFMS)



Production URL :https://ifms.wb.gov.in , https://ifms.wb.gov.in/wbjit/login and UAT URL :https://train-ifms.wb.gov.in

Highlights

Integrated Financial Management System (IFMS)

- Solution for entire financial management system of GoWB
- 14 modules: eBantan, eBilling, CTS, GRIPS, AAFS, LFPL, NGIPF, GPF, CBMS, SBMS, HRMS, User Management, Master Management, AG Moule
- The Solution being developed targeted to replace the existing IFMS2.0 running by TCS
- Being developed in Microservices Architecture
- TR-26 Billing with User Management, e-Bantan, e-Bill, CTS are in production but implementation on hold.
- Grips 2.0, AAFS, LF/PL Module of IFMS 2.0 already available in UAT
- Rest of the modules are under development.

Type of Application: G2G, and G2C







Training :Training to Agencies and DDOs s in Offline and Online Mode.

Achievement: WBJIT Implemented Since 7th January as per Memo no. Memo No. 80-F(eGOV) Dated 06/01/2025 of Finance Department, GoWB. **Four Modules of IFMS** are in production since April'2025

Statistics: FY-24-25, FTO Sent to Bill: 4022, Amount: Rs 684.92 Crores (Approx.), and in Current FY 25-26: FTO sent to Bill: 9645, Amount: Rs. 1031.41 Crores (Approx.)

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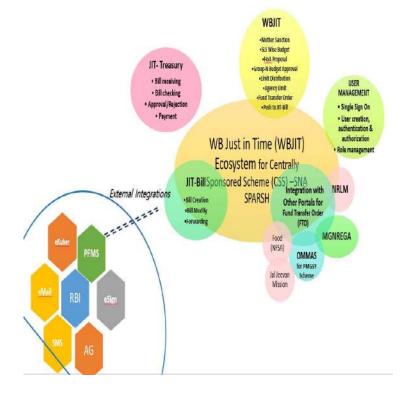
West Bengal Just-in-Time (WBJIT)



Highlights

- Solution for Just-in-time Payment for Centrally Sponsored Schemes (CSS) implemented by Government of West Bengal (GoWB) following mandate of SNA-SPARSH Mandate of Government of India (GoI)
- 4 modules: User Management, WBJIT, JIT-Bill, JIT-Treasury S Development based on Microservices Architecture
- Main features are capturing mother sanction, Scheme configuration, SLS wise budget, and agencies from PFMS, and then Limit distribution and budgetary allocation, sub allotment to the agencies, generation of Fund Transfer Orders (FTOs) and Bills by the DDOs, Processing of bills at Treasury, Send to PFMS for debit of the central share, and finally payment with state share through the e-Kuber

Type of Application: G2G, and G2C



Production URL

https://ifms.wb.gov.in/wbjit/login and

https://ifms.wb.gov.in

UAT URL: https://train-ifms.wb.gov.in



Technology Stack:



Angular, Dot Net Core, RabbitMQ, Redis, GitLab, DevSecOps

Database: PostgreSQL

Training :Training to Agencies and DDOs s in Offline and Online Mode.

Achievement:Implemented Since 7th January as per Memo no. Memo No. 80-F(eGOV) Dated 06/01/2025 of Finance Department, GoWB.

Statistics: During 18/08/2025, FTO prepared: 35295, Amount: Rs 1648.13 Crores (Approx.)

During Aug 25 (till 18/08/25) FTO prepared 3834 Amoumt 252 Crores (Approx)

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Unified Project Management System (UPMS)



Highlights

The Unified Project management System (UPMS) web based application has been developed to cover the areas of Proposal, Requisition, Planning, Design, Estimation following Schedule of Rates (SOR) and Non Schedule Items Rates, Sanction Approval, Administrative Approval, Tender, and monitoring physical and financial progress by integrating AAFS Module of IFMS and others

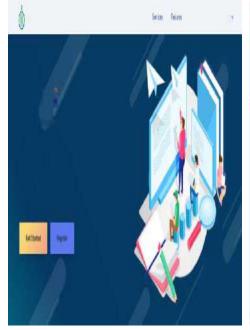
Type of Application: G2G, and G2C

Achievement: The Department of Finance, Government of West Bengal with the Memo No. 61-F(eGov) Dated 07/01/2025 and with Memo No. 232-F(eGov) Dated 17/01/2025 directed the various works department like PWD, PHE, Irrigation, WRIDD, KMDA etc to use Unified Project Management System (UPMS) portal for processing of any project for monitoring of projects (including tracking annual physical and financial progress), throughout their life cycle, from initiation to completion of the project.

Key Features

Management of all the works and nonworks related projects from inception to completion including Schedule of Rate (SOR), project estimation, DPR preparation, approval, sanction, physical and financial progress management, billing and disbursement

Production URL:https://upms.wb.gov.in





Training :Month Long
Training Programme of PWD
Engineers,Officials, and Other
Department like PHE,
Irrigation conducted

Technology Stack:



Laravel, RabbitMQ, Redis, GitLab, DevSecOps Database: PostgreSQL

Aim: Monitoring of Govt. projects, throughout the life cycle of the project from initiation to completion of the project, as part of the Asian Development Bank (ADB) assisted West Bengal Public Finance Management Reforms Program

Statistics

Number of Projects created/modified: 314 ,Number of Requisitions created/modified: 319, Number of Estimates created/modified: 654, Total Cost of Estimates: Rs. 14835855774.84

Total User Activities recorded: 204653, Total Workflows Generated:

3350, Total Documents Uploaded: 11360

HOG: Atanu Das, DDG & SIO

Stakeholders: Department of Finance, GoWB, Public Works Department, GoWB, Irrigation & Waterways Department, GoWB, Department of Urban Development & Municipal Affairs, GoWB

HOD: Ashis Mukherjee, Scientist-F and ASIO

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West Bengal Direct Benefit Transfer



Highlights:

Production URL: https://dbt.wb.gov.in

West Bengal Direct Benefit Transfer (WBDBT) Dashboard

- A Uniform State DBT Dashboard
- Serves the purpose of one uniform solution for DBT across the various departments
- The Consolidated data/ information for each scheme may be facilitated to push from this application to the Bharat DBT Dashboard as per the need of the Government
- Accumulation of DBT information
 (53 parameters)
- Integration with Bharat DBT

Type of Application: G2G, and G2C

Achievement : Successfully development and implemented for collection of data from various portals and push to Bharat DBT



Technology Stack:



Angular, Dot Net Core,, GitLab, DevSecOps Database: PostgreSQL

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Lakshmir Bhandar



Highlights

A scheme of GoWB, which is promised to provide monthly assistant to women in age group 25-60 years of Rs 1200 (earlier Rs 1000) who belongs to SC/ST families and Rs 1000 (earlier Rs 500) to general category families. Aadhaar is made mandatory in place of Swasthya Sathi enrolment since 1st April'2023. A web based application for capturing the applications, verification, approval and processing of applications for monthly financial release of assistance to the approved beneficiary accounts.

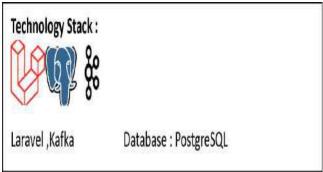
Type of Application: G2G, and G2C

Key Features

- Aadhaar is made mandatory, and requirement of Swasthya Sathi Card is waived off w.e.f. 01/04/2023
- Mandatory Bank Account for individual beneficiary
- Validation of Bank Accounts along with name validation
- Aadhaar Verification with authenticated
 Aadhaar thorugh PDS (Khadya Sathi)
- De-duplication of Bank Account, Aadhaar,
 Mobile Number
- Maker, Checker, Approver architecture for flow of beneficiary data
- API Based Integration with SMS, Janma-Mrityu portal, track applications, CMO Grievance
- Total Approved Beneficiaries: 2.14 Crores

Production URL: https://socialsecurity.wb.gov.in





Training: Continuous Online Training to stakeholders with SOP

Achievement: Successfully development and running Lakshmir Bhandar since August'2021 with present beneficiary around 2.14 Crore with monthly assistance of Rs. 2140 Cr. (Approx). Able to establish an automated pipeline to push all beneficiary and transaction to the Social Registry Portal

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Jai Bangla



Highlights

Production URL: https://jaibangla.wb.gov.in

End-to-end ICT based solution for Monthly pension of social sectors of all departments of GoWB in Multitenant architecture.

The portal used to provide Social pension of many departments

Type of Application: G2G, and G2C

Achievement Successfully development and running since March'2020 with present beneficiary around 74 Lakhs comprising schemslike Taposhili Bandhu, Jai Johar, Old Age Pension, Widow Pension, Manabik, Textile Pension, Agriculture Pension, Assistance to Lok Prasar Parishad etc. of eight departments with monthly assistance. Able to establish an automated pipeline to push all beneficiary and transaction to the registry Portal

Key Features and Statistics

- One Umbrella Social Pension portal
- Multi-tier, Multi-tenant, Scalable,
 Configurable&Open Source architecture
 Online System for Application, approval and
 payment Aadhar Deduplication & Bank
 Account Deduplication Bank Account and
 Bank Account Name Validation Online
 Payment Directly to Bank Account
- 13 Schemes and 8 Departments on board
- API Based Integration for SMS and other portals
- Integration with IFMS and Bank (SBI) for payments

Toatl Approved Beneficiaries: 76.65 Lakhs

Amount Disbursed in June'2025 : Rs 635.59

Crore (Approx)



Training: Continuous Online Training to stakeholders with SOP

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Election Projects (WBEMMS and WBCEMS)



Highlights:

Election Manpower Management System (EMMS) and Candidate Manpower Management System (CEMS)

EMMS is a solution for effective online management and deployment of Election Manpower for activities such as Polling Duties, Counting Duties, Sector Duties, etc. Dynamic, Rule and Role-based, Scalable, Configurable, self- supporting solution for single/multiple/simultaneous elections like Parliament, Assembly, Bye Elections. Implemented in Parliament Election 2024 and Assembly and Parliament Elections 2024.

Whereas the CEMS provides solution for contesting candidates expenditure in the Assembly or Parliament Election and generates Shadow Observation Register (SOR) as per guideline of ECI.

- Online Collection / updation of Employee details
- Polling & Counting personnel Categorization,
 Randomization, Deployment
- Training Allocation
- Appointment Letter Generation
- SMS & email generation modules
- Generation of Payment files for paying remunerations of Polling / Counting Personnel and Micro Observers
- Postal Ballot & EDC
- Provision of Simultaneous Election
- Candidates Expenditure Monitoring with Shadow

Observation Register

Type of Application: G2G, and G2C

Achievement: Successfully development and implemented in the last Parliament Election'2024 and subsequent Bye-Elections held time to time.

Production URL <u>:</u>https://wbemms.nic.in https://wbcems.nic.in





Technology Stack:



Laravel, RabbitMQ, Redis, GitLab, DevSecOps

HOD : Ashis Mukherjee, Scientist-F and ASIO

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Tourism Department Website and Mobile App of Ralimpong Tourism



Highlights

Integrated configurable web portal which serves as one-stop solution for Tourists. Stakeholders are allowed toenter intosystem to facilitate to work as per role The App provides a platform for on-boarding of all Stakeholders like Hotel owners, Transport Operator, Home Stay owners, restaurant and eateries owners, **District Administration** etc.

Type of Application: G2G, and G2C

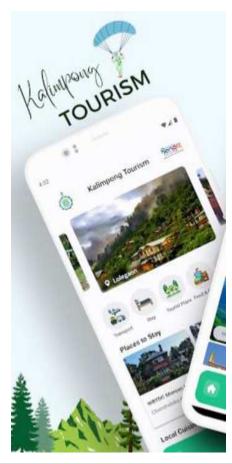
Achievement :

Successfully development and implemented

Production URL https://wbtourism.gov.in







Technology Stack:



Laravel, Flutter, GitLab, DevSecOps Database: PostgreSQL, Mongo DB

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AppComs and Dynamic Web site of West Bengal Information Commission



Highlights

Appeal and Complaint Management System for West Bengal Information Commission is a web based application developed in line with the Central Information Commission and customised as per need. This application facilitates online application for complaint, registration, hearing, and final order through an work flow based mechanism.

A dynamic website for the Commission has also been developed and integrated with AppComs. To facilitate the need of the WBIC and Citizen.

Key Features

- Offers a comprehensive end-to-end ICT-based solution to facilitate the mandate of WBIC to deal with RTI applications, appeal and its disposal
- Covers features of DAK entry, scrutiny, hearing, day to day case proceedings, and disposal of cases with necessary orders by the Information Commissioners
- Encompasses a Maker, Checker, and Approver architecture to facilitate the seamless flow of citizens' appeals and complaints
- A robust and user-friendly platform for G2C, and G2G services relating to Right to Information

Type of Application: G2G, and G2C

Achievement: Successfully development and implemented since the Year 2023.

Production
URL:https://wbic.wb.gov.in



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HIGHLIGHTS

https://silpasathi.wb.gov.in/

"Unified Single-Window Portal For Businesses to apply for approvals, licenses & clearances Without Physical Touch-Point"

It Serves As A Digital Gateway For Providing The Necessary Statutory Compliances Under The Applicable Acts, Rules, Policies And Schemes Of The Govt Of West Bengal. Investors Can Get Certificates And Licences Required For Setting Up And Operating Business In The State In A Smooth And Time-Bound Manner, Without The Need To Visit Any Government Department Or Office. In Addition, Silpasathi Kiosks Are Available At 23 Industry Facilitation Centres (Ifcs) Located In Every District Of The State. The Ifcs Provide Handholding Support To The Investors Seeking Statutory Compliance Services From Silpasathi Portal.





PRISM ID: 18818



TECHNOLOGY USED









20+GOVT. ENTITIES

129+

SERVICES

4.6 LAKHS+

REGISTERED USERS

90 CRORE+

TOTAL REVENUE GENERATED

1569538

TOTAL LICENSES DELIVERED

5967

GRIEVANCES ADDRESSED

BENEFITS TO CITIZENS

"Delivery Of All Services To Citizens End To End Without Requirement Of Any Physical Touch Point And Online Wizard To Guide Citizen For Availing Applicable Licenses Or Certificate For Setting Up Of Industries."

HOD: Debdeep Guha, Scientist-F

Project Coordinator: Debdeep Guha, Scientist-F

SIO: Shri Atanu Das, DDG & Sc-G

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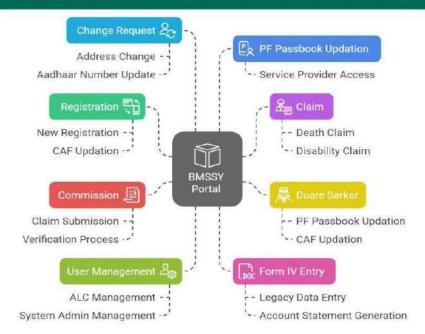


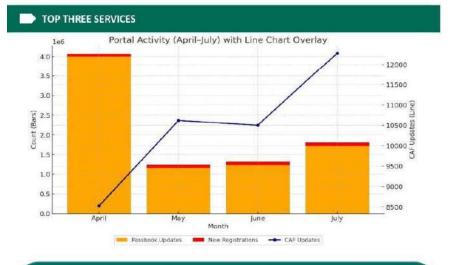
HIGHTLIGHT

"Comprehensive Social Security Scheme for **Unorganised Workers**"

The Bina Mulya Samajik Suraksha Yojana (BMSSY) Scheme is one of the flagship program initiated in the year 2020 by the Govt. of West Bengal by Labour Welfare Board under Department of Labour to ensure the social security of unorganized sector workers to alleviate the plight of the most vulnerable sections of the society, where no contribution is required by beneficiary and both contribution of beneficiary and matching Government grant is borne by Government itself.

KEY FEATURES





12475940 TOTAL BENEFICIARIES

2154511 TOTAL CAF UPDATED

78022542

TOTAL PASSBOOK **UPDATED**

5134688 TOTAL NEW REGISTRATION

bmssy.wblabour.gov.in



.:: Technology Stack ::.

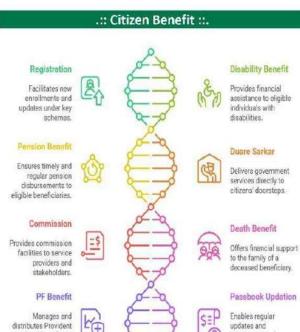










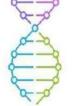


Facilitates the renewal of registrations and benefits for existing beneficiaries

Fund benefits to

registered





passbooks. Government Grant

maintenance of beneficiaries' PF



8

Supports program sustainability by offering financial grants

HOD: Debdeep Guha, Scientist-F

Project Coordinator: Debdeep Guha, Scientist-F

SIO: Shri Atanu Das, DDG & Sc-G

West Bengal Bhabishyat Credit Card Scheme(WBBCCS)

Department of MSME&T, Government of West Bengal



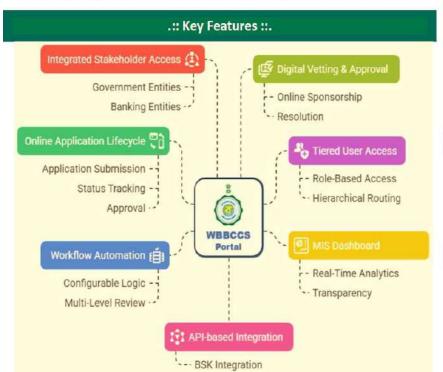


■ HIGHTLIGHT

de bccs.wb.gov.in

"Opportunity, Access, and Enabling Local Enterprise Growth for Aspiring Entrepreneurs"

The Bhabishyat Credit Card Scheme (BCCS) is a flagship initiative of the Government of West Bengal, designed to promote self-employment and entrepreneurial growth among the state's youth. Functionalities include mobile compatibility, intuitive system-guided workflows, and real-time application tracking, ensuring an accessible, transparent, and user-centric experience that enables aspiring entrepreneurs to navigate the loan process with confidence.



.:: Top 5 Districts (Sponsored Applications & Project Amount) ::. 466 25 500 400 20 300 244 15 239 225 225 200 10 100 5 0 0 PASCHIM **PASCHIM** BIRBHUM HOWRAH PURBA BARDHAMAN MEDINIPUR MEDINIPUR Sponsored Applications —Sponsored Project Amount (in Crore)

219115 TOTAL APPLICATIONS 43027
SANCTIONED
APPLICATIONS

₹ 1046 Cr.

SANCTIONED

AMOUNT

₹ 685 Cr.

DISBURSED

AMOUNT

PRISM ID: 20812



.:: Technology Stack ::.









.:: Citizen Benefit ::.



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HOD: Debdeep Guha, Scientist-F

Project Coordinator: Debdeep Guha, Scientist-F

SIO: Shri Atanu Das, DDG & Sc-G



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Directorate of Registration and Stamp Revenue

Finance Department, Government of West Bengal



▶ HIGHLIGHT

wbregistration.gov.in

PRISM ID: 3449

The e-Nathikaran system and the WbRegistration portal are key digital initiatives by the Directorate of Registration and Stamp Revenue (DoRSR), Government of West Bengal, aimed at modernizing the land and property registration process.

e-Nathikaran functions as a backend system used by registrar offices for secure scanning, indexing, and digital preservation of registered deeds. It supports document verification, audit trails, and role-based access, ensuring the integrity and traceability of registration records.

On the other hand, WbRegistration is a citizen-facing online platform that allows users to prepare deeds, calculate fees, pay stamp duty and registration charges, and schedule appointments with Sub-Registrar Offices. It simplifies the registration process, reduces manual intervention, and enhances transparency.

Together, these systems have enabled faster processing, secure storage, and better public access to land records, contributing significantly to e-Governance and service delivery in the state.







TECHNOLOGY USED









BENEFITS TO CITIZEN

"e-Nathikaran and
WbRegistration provide
citizens a faster, paperless, and
secure way to register
property, prepare e-deeds, pay
fees, book appointments, and
access digitally stored certified
deeds anytime"

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Project Coordinator: Dr. Siddhartha Sen, Scientist - E

SIO: Shri Atanu Das, DDG & Sc-G

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▶ HIGHLIGHT

banglarbhumi.gov.in

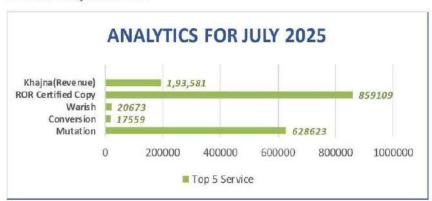
PRISM ID: 3432

"In West Bengal, land-related e-Governance services are provided through two key applications: eBhuchitra and Banglarbhumi"

eBhuchitra is a centralized, server-based web application operating over MPLS/VPN with WBSWAN. It maintains comprehensive land records and manages key processes like Mutation, Conversion, Lease, Vesting, and Bargadar/Pattadar management. Integrated with the Registration system under DILRMP, it enables contactless, automatic mutation case generation. It is also integrated with EoDB, eDistrict, Krishok Bondhu, and Food Supply systems for efficient service delivery.

Banglarbhumi (banglarbhumi.gov.in), the official L&LR department portal, serves as a single-window platform for citizens to access services like Mutation, Conversion, ROR (Khatian), Plot Index (PI), and Plot Map requests and downloads. It features an integrated grievance redressal system, real-time status updates, and online payments through GRIPS.

The Jomir Tothya mobile app further enhances accessibility by offering these e-Governance services on mobile devices, ensuring transparency and convenience for citizens.







TECHNOLOGY USED









BENEFITS TO CITIZEN

Banglarbhumi provides
citizens with a faster,
paperless, and secure way to
access services such as
Mutation, Conversion,
Revenue Payment, ROR
(Khatian), Plot Index (PI), and
Plot Map requests and
downloads—anytime,
anywhere.

HOD: Debdeep Guha, Scientist-F

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e-PBGSBS Management System



Paschim Banga Go Sampad Bikash Sanstha, Department of Animal Resource Development, Govt. of West Bengal https://pbgsbs.gov.in PRISM Id: 17943

Highlights

Introduction:

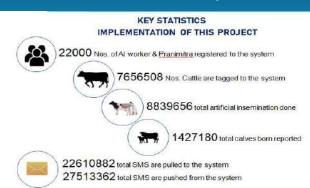
A web application software for Department of Animal Resource Development, Govt. of West Bengal for online monitoring the Artificial Insemination Related Activity, Management of Inventory and distribution of Frozen Semen Straw, Management of Insurance Details of cattle, Fund for Insurance and Accounting for Incentive payment to A.I. Worker carried at different tier of the organization like State, District, Block and Gram Panchayat and developed a information system for smooth functioning of the department.

Multitier application for collecting real time data on Artificial Insemination from village level to state and periodic service delivery to village level A.I. worker and the farmer.

Services are available through multiple modes like web portal, mobile app, smart phone version as well as through SMS services.

SMS and web based Registration of Breed able Cattle & Buffalo by using ear tag having 12 digit unique number.

Graphical representation (yearly/monthly increment)



Technology Used

SDC: PHP 8.2 nginx

PostgreSQL 15

Recent Activities

- Registration of Veterinary Centres
- First Information Reporting of Animal Diseases
- · Reporting of Daily OPD Cases
- Various MIS Report
- Integration of SMS services

Key features (Graph/Image)

- Role based user access
- Registration of Al worker & Pranimitra
- Cattles are tagged to the system
- · artificial insemination & calves born reporting

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Statistical Figures/Integrations

- ✓ 21999 Nos. of Al worker & Pranimitra registered to the system
- ✓ 7491518 Nos. Cattle are tagged to the system
- ✓ 8478344 total artificial insemination done
- ✓ 1302101 total calves born reported

Different Modules in the System

- ✓ Al-Worker And Pranimitra
- Al Activity Individual
- ✓ Monthly Incentive Scheme
- ✓ FSS & CRYO Accessories Management
- ✓ Vaccination
- ✓ Livestock & Poultry Development

HOD: Uditendu Sarkar, Sc-F SIO:Shri Atanu Das,DDG& Sc-G E-mail: uditendu.sarkar@nic.in E-mail: sio-wb@nic.in

e-Services for DoE



https://tathyasathi.bangla.gov.in https://doepower.wb.gov.in

PRISM Id: 18353

Highlights

Introduction:

Directorate of Electricity (DOE), WB is a vital component of the Power Department, responsible for overseeing the efficient functioning of electricity services. With a focus on modernization and service excellence, DOE offers a range of services to meet the diverse needs of stakeholders.

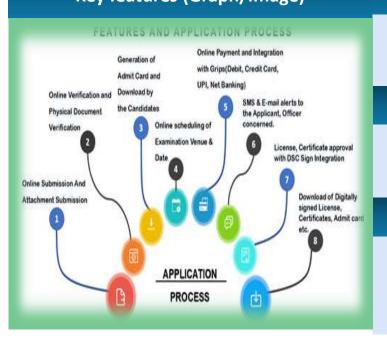
Directorate of Electricity (DOE) offers three main types of services available (Lift/Escalator, Licensing Board, Inspection Services), catering to various aspects of electricity management and regulation.

Technology Used

SDC: (tathyasathi.bangla.gov.in) is developed monosenger; using

- Service Plus Framework
- JavaScript
 (doepower.wb.gov.in) is developed using
- PHP: 8.2.29,Postgres: 15.10

Key features (Graph/Image)



Statistical Figures/Integrations

- 51520+ License Delivered for Lift & Escalator Services.
- 3710+ License Delivered for Inspection Services.
- 49420+ License Delivered for Licensing Board Services.
- Online Application and document Submission.
- Online Verification and Physical Document Verification.
- Online Admit card generation and scheduling of Examination Venue & Date.
- Online Payment. Integrated with GRIPS (Debit, Credit Card, UPI, Net Banking)
- SMS & E-mail alerts to the Applicant, Officer concerned.
- License generation & Certificate approval with DSC Sign Integration

Graphical representation (yearly/monthly increment)



Recent Activities

- HOA Changes in Inspection section services
- Server migration and Audit of doepower.wb.gov.in

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Different Modules in the System

- Paperless/faceless Service request through EoDB portal.
- Faster, hassle free quality service delivery.
- Integrated with EoDB and WBSEDCL.

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HOD: Uditendu Sarkar, Sc-F SIO:Shri Atanu Das,DDG& Sc-G

e-Services for Factories



https://wbfactories.gov.in

PRISM Id: 17838

Highlights

Introduction:

The Directorate of Factories, under the Department of Labour, Govt. of West Bengal is mainly responsible for implementation and administration of The Factories 1948 and the rules framed there under.

It is primarily engaged in fulfilment of goals in respect of safety, health & welfare of the factory workers inside the factory premises by preventing possibility of accidents, and occupational health hazards such that any person can work inside the factory without fear.

- Empowers occupiers/applicants for submission of online applications w.r.t pre-establishment & postoperational compliances for approval of Factory Plan, Licence of Factory.
- Submission of Accident / Poisoning & Disease / Dangerous Occurrences Notice, Maternity Benefit, Wages details made online for ease access of services of Statistical Cell.
- Purely Randomized Inspection of factories. Computerized allocation of inspectors for inspection of factories in synchronized manner. Real time online inspection report uploading mechanism

Graphical representation (yearly/monthly increment)



Technology Used

NDC:

is developed using

o **PHP:**5.6 to 8.0.

o Postgres: MySQL, PostgreSQL

o Application Framework: Code Igniter,

Drupal

Key features (Graph/Image)

Empowers occupiers/applicants for submission of online applications w.r.t pre-establishment & post-operational compliances for approval of Factory Plan, Licence of Factory. on of Accident / Poisoning & Disease / Dangerous Occurrences Notice, Maternity Purely Randomized Inspection of factories. Computerized allocation of inspectors for inspection of factories in synchronized manner. Real time online inspection report uploading mechanism Auto calculation of licence fees (viz. Registration, Renewal, Amendment, transfer etc.) & late fine. Integrated Online Payment through GRIPS. Dynamic Auto classification of factories under – High, Medium and Low Risk asses per pre-set parameters. & Synchronized scheduling of inspections.

Various MIS Report

Summary/Training

Recent Activities

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Statistical Figures/Integrations

API-based Integration with EoDB (Silpa Sathi), Labour Dept. Portal., Digilocker. Inspection of factories is also integrated with Central Inspection System (CIS).

- ZZ106+ LOTALINO. OF registered factories
- 15706+ Services Issued (out of 16k+ Applications, since
- 1882+ Inspections Conducted (since 1st Apr. 2024)
- 2706+ No's of new factories registered (F.Y. since 2020-21)
- 13.51 Lakh + (Total Factory Workers)
- 12.66 Crore + Total Licence Fee Collected (F.Y. 2024-25 & 25-26)

Different Modules in the System

- ✓ Faster, hassle free quality service delivery.
- ✓API-based Integration with EoDB (Silpa Sathi), Labour Dept. Portal., Digilocker. Inspection of factories is also integrated with Central Inspection System (CIS). MSME Single Integrated Dashboard, GRIPS

Awards and achievements

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e-Services for Boilers



https://wbboilers.gov.in PRISM Id: 17817

Highlights

Directorate of Boilers is a statutory body under Labour Department, Govt. Of West Bengal, acting in accordance with the provisions of the Boilers Act,

made thereunder.

The main role of this Directorate is to ensure safety to human life and property through sound manufacturing, erection and commissioning practice, safe operation and proper maintenance of boilers, economisers, steam and feed water pipelines by applications of the provisions of the relevant Actsand Rules

portal and there exists a proper white listing mechanism 1923, Indian Boiler Regulations 1950 and Rules

by which data are populated inside database.

1064: Form III A Certificate issued for form3a

42 : Boiler Ownership Certificate issued for Transfer of

934: Testing of Materials Reports issued for Testing of

New registration applications are done though Shilpasathi

Digilocker

ownership

materials

Shilpasathi

Final certificates of Registration, Renewal,

Graphical representation (yearly/monthly increment)

Statistical Figure Of Services & Benefits

Delivered From The System



Technology Used

SDC: PHP 5.6

PostgreSQL 13

Key features (Graph/Image)



MIC TO

Statistical Figures/Integrations

1608: Boiler Registration P.O (form V) & D. Final Certificate (form VI)

30230: Boiler Renewal P.O (form V) & amp; Final

Certificate (form VI)

2154 : Final Certificate Repairers Application 147: Boiler manufacturer (Final Certificate)

144: Examination of Drawing Certificate issued for drawing

539 : Boiler Manufacturing Certificate issued for manufacturing

Recent Activities

Various MIS Report

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Different Modules in the System

- Final certificates of Registration, Renewal, Manufacturer are uploaded and stored into digilocker through API setu.
- New registration applications are done though Shilpasathi portal and there exists a proper white listing mechanism by which data are populated inside database.

Awards and achievements

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Portal for Labour Commissionerate



https://wblc.gov.in PRISM Id: 17836

Highlights

The Labour Commissionerate, under the Labour Department of West Bengal, plays a vital role in maintaining industrial relations and enforcing labour laws to protect workers' rights. It also implements social security schemes for both organized and unorganized sector workers. In 2014, the Commissionerate engaged the National Informatics Centre (NIC) to develop a citizen-centric, web-based ICT system for efficient and transparent labour law enforcement. This led to the creation of a workflowbased IT platform accessible at https://wblc.gov.in.The portal supports digital services for multiple stakeholders like Principal Employers, Contractors Establishments, Trade Unions etc. The system has been successfully rolled out across all 68 Regional Labour Offices and the Office of the Labour Commissioner in Kolkata.



ABOUR COMMISSIONERATE

LABOUR COMMISSIONERATE

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Graphical representation (yearly/monthly increment)



Technology Used

Drupal 7, Postgres- 9.3

Recent Activities

Reports under Business Reforms Action Plan (BRAP)

Key features (Graph/Image)

- Inspection Mechanism
- Provide e-Services under various labour laws
- Trade Union

Summary/Training

- Regular User Training conducted for New/Changed module.
- Improved Process flow explained to user

Statistical Figures/Integrations

- ★ 27724 Nos. of Registrations/Amendment of Principal Employer under CLRA
- ★ 19609 Nos. Contractor License Generated
- ★ 229 Principal Employer registered under ISMW
- ★ 3365 Establishment registration under BOCWA
- ★ 21015 Registered Trade Unions

Different Modules in the System

- Real time operation inputs to stakeholder.
- Paperless Service request through EoDB portal.
- Faster, hassle free quality service delivery.
- Integrations with DigiLocker, Samannay, GRIPS,Silpa Sathi

Awards and achievements

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Portal for Labour Department



https://wblabour.gov.in PRISM ld: 17837

Highlights

Introduction: The Labour Department of West Bengal is committed to improving workers' living standards and ensuring industrial harmony through various laws and schemes. To support this mission, NIC developed a dynamic web portal at https://wblabour.gov.in. The portal includes two major modules: an Asset Management System and a Website Content Management System. The Asset Management System allows employees to submit mandatory annual asset declarations and helps officers manage compliance, transfers, and notices. The CMS enables efficient publishing and updating of notifications, circulars, and labour laws, enhancing transparency. The portal serves both internal users and the public by providing easy access to up-to-date information. The project undergoes regular maintenance and feature updates based on the directives of the competent authority. This initiative aligns with the department's goal to improve accountability, streamline workflows, and deliver better governance. The portal also consolidates information from subordinate directorates for comprehensive access.



Graphical representation (yearly/monthly increment)



Recent Activities

Asset Declaration

Technology Used

Drupal 7, Postgres- 9.2

Summary/Training

Regular User Training conducted for new/Changed module.

Key features (Graph/Image)

Different Modules in the System

Declaration of Asset Management System Various Circulars, Notifications, Acts and Rules are made available to citizens pertaining to labour department

Statistical Figures/Integrations

24554 Assets Submitted 24554 Users

Asset Management System: The module aims to digitize the process of asset declaration by government employees (Groups A, B, C) in the Department of Labour (DOL), West Bengal. The system will streamline asset submission, review, and approval across various directorates, ensuring compliance with the annual asset declaration timeline (1st January to 30th April).

Awards and achievements

CSI Nihilent Award Appreciation for the best e-Governance Project

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e-Allotment of Rental Housing Estates, Housing Department



https://rhe.wb.gov.in PRISM Id: 20968

Highlights

Introduction:

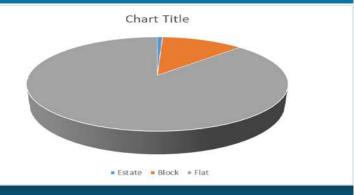
The Department of Housing, West Bengal, provides accommodation to state government employees through 13,800 Residential Housing Estate (RHE) flats across 23 districts. To ensure transparency and accountability in the allotment process, the National Informatics Centre (NIC) developed the e-Allotment of Rental Housing Estates portal, earlier available at https://rhe.wbhousing.gov.in. The revamped system will be a comprehensive end-to-end online solution, covering the entire process—from application submission to license generation, and from flat occupancy to release. Key features include HRMSbased authentication and data fetching, automated cancellation processes, and QR-enabled license generation, ensuring a more efficient, transparent, and user-friendly experience.

Technology Used

Drupal 7, Postgres- 15, PHP-8.0.30

e-Allotment of RHE Housing Department Govt. of West length Rental Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the foreign to the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentating funds the funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bisportant Announcement Spin segmentation funds the North Housing Estate Ook. of Wood Bengal Bi

Graphical representation (yearly/monthly increment)



Key features (Graph/Image)

\$\frac{\partial}{\partial}\$ End to end online workflow \$\partial \text{HRMS based secure Authentication}\$

Auto Fetch applicant details from HRMS

Souline Flat Allotment based on Allotment Rules

Auto Cancellation of Offer and Licenses for allotted flat

Special Recommendation for allotment

QR code in License

Recent Activities

- ✓ Authenticate through the WBIFMS Portal via HRMS API integration
- ✓ Delivered regular presentations to senior departmental officials showcasing the developed and implemented modules

Summary/Training

- ✓ Regular User Training conducted for new/Changed module
- √ Improved Process Flow explained to Departmental Senior Officers

Statistical Figures/Integrations

✓ Out of 13,800 RHE flats, there are 35 Government RHEs of types A, B, C, D, and VIP in the Kolkata region are available for allotment.

Different Modules in the System

√ Login through IFMS portal with HRMS ID

Awards and achievements

HOD: Uditendu Sarkar, Sc-F SIO:Shri Atanu Das,DDG& Sc-G E-mail: uditendu.sarkar@nic.in E-mail: sio-wb@nic.in

e-Services of MSME Directorate



https://wbmsme.gov.in

PRISM Id: 20747

Highlights

Introduction:

The object of the scheme is to extend fiscal incentives to encourage Entrepreneurs to set up Micro, Small and Medium Enterprises with a view to focusing on balanced development of MSMEs across the State and creating a sustainable ecosystem in the MSME sector which can maximize the utilization of resource, generate new Employment and widen the area of operation to make the State emerge as the MSME leader in the Country.

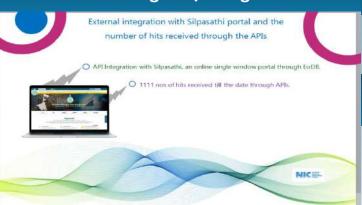
Technology Used

Drupal 7, Postgres- 9.2.7, PHP-5.4.16

Key features (Graph/Image)



Statistical Figures/Integrations



Intrinsic or Salient feature of each module

Work Flow Based

The application is completely Work
Flow Based with roles assigned and
functionalities depend upon the
roles

Certificate with QR code: Generation of Form-B and Form-F with QR code at GM, DIC level for the
desired Application.

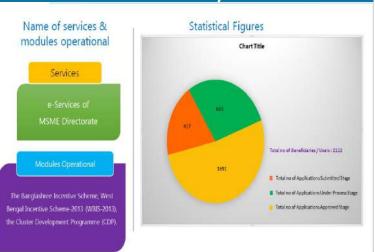
Analytical Dashboard with reports derived
Application status wise generation of report at OM, DIC level.

Application status wise generation of report at Directorate level.

Graphical representation (yearly/ monthly increment)

Generation Fund Requisition report for approved proposals at Directorate level

DIC wise consolidated statistical summary report generation at Directorate level.



Recent Activities

Development of One District One Product (ODOP) programme Module and ODOP Grievance Redressal Module.

Summary/Training

Regular User Training conducted for new/ Changed module.

Different Modules in the System

The Banglashree Incentive Scheme, West Bengal Incentive Scheme-2013 (WBIS-2013), the Cluster Development Programme (CDP).

Awards and achievements

HOD: Uditendu Sarkar, Sc-F SIO:Shri Atanu Das,DDG& Sc-G

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MODIFIED WEST BENGAL TEXTILE INCENTIVE SCHEME(WBTIS)



https://textiles.wb.gov.in

PRISM Id: 20747

Highlights

The West Bengal Textile Incentive Scheme (WBTIS) is a government initiative aimed at boosting the state's textile sector through financial incentives and policy support. The main objective is to encourage expansion in weaving, spinning, handloom, powerloom, hosiery, and garment units by extending fiscal benefits such as capital subsidies, interest reimbursement, and rebate mechanisms. The Department of MSME & Textiles administers this scheme, serving as a nodal agency for promoting micro, small, and medium textile enterprises across the state. By offering streamlined application processes, online registration, and targeted incentives, WBTIS is designed to transform West Bengal into a competitive textile hub, doubling its contribution to India's textile market within the next few years.



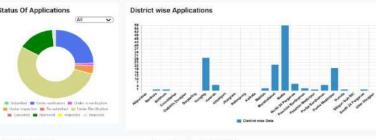
Codelgniter 3(PHP 8.2), MYSQL

Key features (Graph/Image)

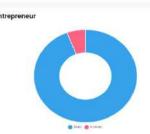
- 1. Automated Subsidy Calculator
- 2. 2. Realtime Application status

None About Modification - 529 MODEL SCIENCE PROJECT Central The Modification - 501 MO

Graphical representation (yearly/ monthly increment)







Statistical Figures/Integrations

- 1. 133 Registered Users.
- 2. 24 Application Approved.
- 3. Total Approved Amount 1758.648 Lakh
- 4. 30 Power Textiles Registered.
- 5. 125 Handloom Textiles.

Summary/Training

. 1. Regular User Training conducted for New/Changed module.2. Improved Process flow explained to user

Different Modules in the System

1. Manages subsidy disbursement for eligible powerloom.2. Provides targeted financial support to handloom enterprises.3. API integration with WBDED

Awards and achievements

HOD: Uditendu Sarkar, Sc-F SIO:Shri Atanu Das,DDG& Sc-G E-mail: uditendu.sarkar@nic.in E-mail: sio-wb@nic.in



Khadyasathi

An End-to-End Public Distribution Management Solution

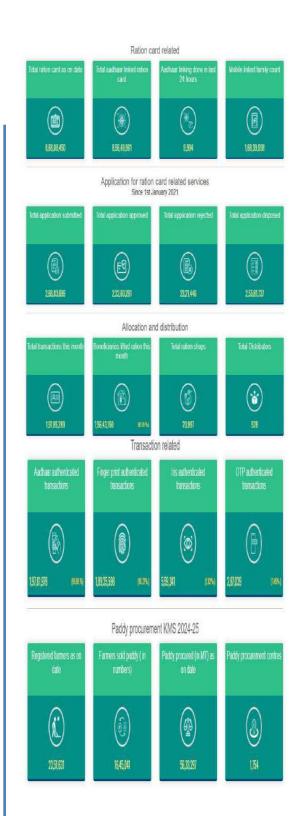


(for Food & Supplies Department, Govt of West Bengal)

- Connects **Beneficiary, FPS shops, Storage, Distribution and Paddy Procurement**
- Offers Self Service Operation for various Ration Card Services leveraging Aadhaar Authentication
- Manages key Storage,
 Distribution and
 Procurement functions

All stake holder Billing and Payment is online

Total Beneficiary – 8.70 Cr Total Transactions – 2.31 Cr Aadhaar Authenticated Transaction – 99.97 % RC Related Services – 175414



HOD Supratim Lodh, Scientist-F

(email: officer1.fcswb-wb@nic.i n)

(email: sio-wb@nic.in)

HOG: Atanu Das, DDG & SIO

Other OfficerBarna Raychaudhury, Sc-D [email officer4.fcswb-wb@nic.in]

Agricultural Marketing Department Online Application for Low-Cost Onion/Garlic Storage Scheme



General: 2229

OBC : 188

SC : 258

ST : 255

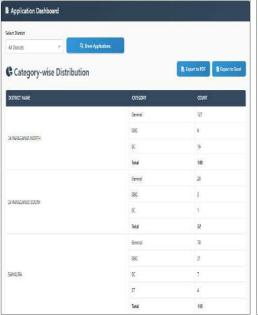
Total 2730

Application Status

Application starton: 20 Jun 2025

Application will end on: 10 Aug 2025







HOG: Atanu Das, DDG & SIO

HOD Supratim Lodh, Scientist-F

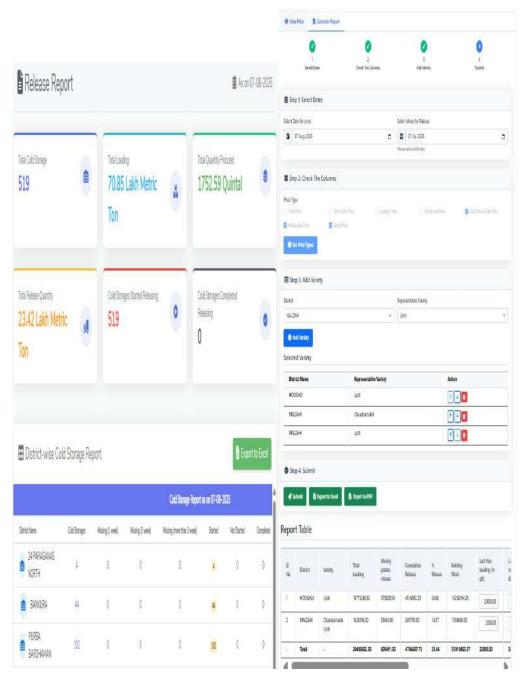
(email: officer1.fcswb-wb@nic.in) (email: sio-wb@nic.in)

Other OfficerBarna Raychaudhury, Sc-D [email officer4.fcswb-wb@nic.in]

Agricultural Marketing Department Online Coldstorage Management and Price Monitoring



- District Officers enter daily prices for each variety type, including
 - 1. Field price
 - 2. Farm get price
 - 3. Loading price
 - 4. Free bond price
 - 5. Cold store gate price
 - 6. Wholesale price
 - 7. Retail Price
- The State Admin can generate reports based on prices, including loading and release reports for cold storage.
- State Admin can also customized report.



HOD Supratim Lodh, Scientist-F

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Other OfficerBarna Raychaudhury, Sc-D [email officer4.fcswb-wb@nic.in]

Directorate of Commercial Taxes (eComTax) GoWB - End-to-end ICT solutions of Commercial Taxes

End-to-end ICT solution is provided for transparent, efficient, easily accessible services to the citizens for good governance covering all business functionalities under West Bengal State Tax, Value Added Tax, Central Sales Tax, Entry Tax, Goods & Service Tax https://wbcomtax.gov.in. Presented below is a brief of achievements and data for July 2025.

KEY SERVICES

G2C - Return Filing (WBST, VAT, CST, Entry Tax) G2C -Statutory Form Generation , Uploading Forms by

G2C -Appeal-Revision-Review G2G Services for Revenue monitoring

GST Analytics system - GST PRIME G2G Services for better Office Administration 1. Active Tax payers as on 31st Mar 25

Total Revenue Collection
During 1,33,785 Cr. Financial Year 2024-2025

IMPACT

- Service availability anytime 414 & anywhere
- Increased Tax collection & Tax base
- Better detection of Tax
 Evasion, Revenue Leakage
 & Frauds

KEY FEATURES

API based
Data
Consumption
from GSTN

On-line 'Settlement of Disputes'

SMS & Email Integration Online appeal / revision facility

Court Case Monitoring facility Monitor allotment of fund and Expenditure Statement

Integration with GRIPS

Quick Grievance Redressal

eFiling of Return (VAT, CST, WBST, Sales Tax Deducted at Source-STDS)	Forms (C, F,	Assessment	Tax Recover y	Appeals	Forms uploaded from outside states
114	70	0	03	13	29

Helps in future policy making etc.

Hod: Amit Mazumder (hod.comtax-wb@nic.in)

SIO: Sh. Atanu Das (sio-wb@nic.in)



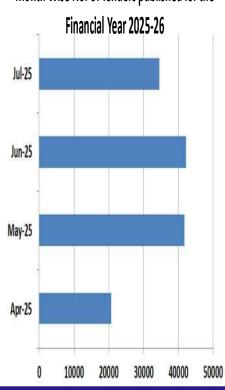
West Bengal Procurement Portal wbtenders.gov.in

The Government of West Bengal is using NIC eProcurement platform since 2009. Earlier it was funded under eProcurement Mission Mode Project.

Since 2018, State Govt. is funding the project implementation on Capex and Opex basis for an estimated load of 1,00,000 (One lakh tenders per annum)

Since Sep 2023, regular huge increase in numbers of tenders floated per month was witnessed around 40-50,000 per month from an estimated average of 10,000 tender per month. This was a result of the State Govt's decision to extend electronic tendering feature to all Zilla Parishads. This exponential rise in tenders has been handled efficiently by the GePNIC team so that the decision could be honoured.

Month Wise No. of Tenders published for the



During July 2025

#Value #Tenders ₹ 908759.06 Lakh 34553

Cumulative Since Inception

#Value #Tenders ₹ 70951350.28 Lakh 19.08 Lakh

Since Inception



Active registered Organizations: 8903

TRAINING SESSIONS IN JUNE 2025

5 Training Programs were held in the month of July 2025 with 92 participants on WB GePNIC Software, its different modules & workflow, Prerequisites and requirements for onboarding, complete e Tender process flow and BoQ types



Hod: Amit Mazumder (hod.comtax-wb@nic.in)

SIO: Sh. Atanu Das (sio-wb@nic.in)

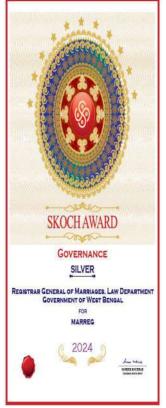
MARRIAGE REGISTRATION IN WEST BENGAL

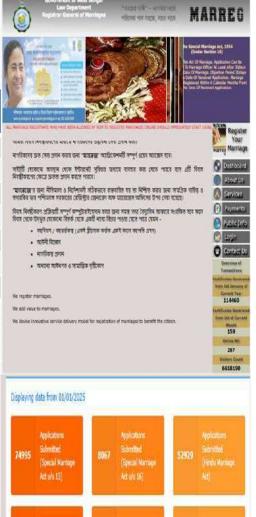


MARREG portal has been introduced on and from 01.12.2018 for registration of marriages under Special Marriage Act 1954 and Hindu Marriage Act 1955 through online mode. The Govt. of West Bengal has made this marriage registration mandatory through online portal on and from 01.06.2019. Till AWARD AND ACHIEVEMENT date 651460 nos. of marriages under Special Marriage Act 1954 and 416216 nos. of marriages under Hindu Marriage Act 1955 has been registered through this portal. The introduction of the portal has benefitted the parties to the marriages and registration to register their marriages seamlessly. They can apply online themselves from their desktop or even using their mobile phone. They can choose the appropriate Marriage Officer properly, as per their choice avoiding any middle man. By the introduction of this online marriage registration; Bigamy, Polygamy and child marriages have been intercepted successfully. Now by capturing biometric detail through the portal; administration is trying to identify properly the parties and the witnesses of the respective registration. So that the above-mentioned goals can be attend more effectively.

YEAR WISE CERTIFICATES GENERATED

Year	Certificates Generated
2019	89932
2020	149754
2021	189217
2022	183961
2023	168948
2024	171447
2025(till 04-07-2025)	114454





Hod: Amit Mazumder (hod.comtax-wb@nic.in) SIO: Sh. Atanu Das (sio-wb@nic.in)

Special Marriago

Certificate

Special Marriago

Special Marriag

Certificate







HIGHLIGHTS

This platform is designed to facilitate efficient data management and academic monitoring across all levels of school education, from **Pre-Primary to Class XII**, ensuring transparency, accountability, and improved governance.

Head of Institution (HOI):

Responsible for student data entry and academic record maintenance. Manages class-wise enrolment for all grades, from Pre-Primary to Class XII. Oversees data submission for various types of schools:

Government schools, Government-aided schools, Private schools

SSK (Sishu Shiksha Kendra) & MSK (Madhyamik Shiksha Kendra) schools

Sub-Inspector of Schools (SI):

Supervises academic and administrative activities at the cluster level. Monitors data submitted by schools within their jurisdiction. Ensures timely updates and data validation in the system.

District Inspector of Schools (DI):

Coordinates with Sub-Inspectors and HOIs at the district level.

Reviews and verifies district-wide school data for planning and reporting.

Facilitates district-level educational interventions and policy implementation.

Directorate of School Education (DSE):

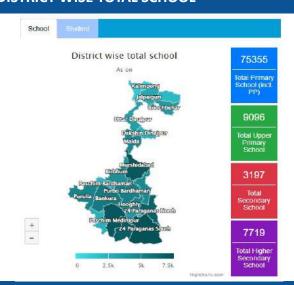
Analyses data trends for decision-making at the state level. Integrates feedback and monitoring mechanisms into the system.

RECORD ENTRY SUMMARY





DISTRICT WISE TOTAL SCHOOL



KEY FEATURES For HOI



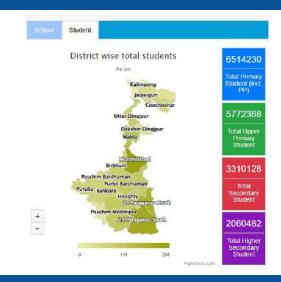
URL: www.banglarshiksha.wb.gov.in



RECENT INITIATIVES IN 2025

- Aadhaar based login for all stake holders
- UDIN integration fot Taruner Swapna
- NPCI verification for student account details
- QR code implementation at student transfer certificate
- SI and DI contact number and Aadhaar details updation
- IFMS Integration

DISTRICT WISE TOTAL STUDENTS



TECHNOLOGIES



HoD: Shri R.K.Chail, Scientist-F

https://banglarshiksha.wb.gov.in

Project Co-ord. :Shri Tapan Kumar Sarkar, Scientist E

State Centre

SIO: Shri Atanu Das, Scientist G

<u>rk.chail@nic.in</u>

tapan.sarkar@nic.in

Mational Informatics Centre, West Bengal



Integrated Online Salary Management System (i-OSMS **DVET) Version 2.0**

URL: https://dvet.wb.gov.in/

Prism ID - 18086

Seamless Salary Management: Automated salary processing

with IFMS integration.

Recurring Grant Management: Recurring grant disbursement

for VTC with IFMS.

Taruner Swapno: Disbarment of amount RS- 10000 for

each student under Taruner Swapno Scheme.

Online P-TAX Processing.

Profile Management: Secure profile updates for employees.

Barcode Based Report Authentication System.

Employee Benefits: Timely processing of bonuses,

Appraisal and other benefits.

FAQ SYSTEM Related to VTC with Maps.

TECHNOLOGIES















Key features

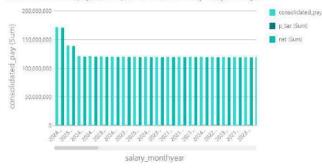
- Inter-DVET, profile approval and verify
- Online requisition verifies and approval
- IFMS Integration
- SMS-Email Alert
- Online Utilization Details Verify
- MIS Reports
- Two Factor Authentication for Login
- FAQ section along with VTC search

Statistical Figures

- Two Factor Authentication.
- Student Beneficiary Verification Module
- Email/SMS notification
- JSON Based API implementation with IFMS
- **Nodal Recurring Grant and Utilisation**
- **Bank Details Verification**
- Bank IFSC update as per RBI Guideline
- Modification to the database design
- Realtime Report Section
- Bar Code based report verification system
- Arrear module for Recurring Grant module
- **FAQ Section**

GRAPHICAL REPRESENTATION OF MONTHLY REMUNERETION

Sum of consolidated_pay, Sum of p_tax and Sum of net by salary_monthyear



Statistical Figures

- No of VTC 2589
- No of Teacher/Instructor 11226
- Monthly Remuneration Disbursement -RS 119888063
- Late Drawl Disbursement RS 1370835
- Bonus Disbursement RS 9538734
- Monthly Recurring Grant Disbursement -RS 17180873
- Number of active beneficiaries under Taruner Swapno Scheme - 63904
- Disbursement of Tab fund under Taruner Swapno scheme RS -494940000

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained in stakeholder/Trade meeting.

HOD: Shri R K Chail, Scientist-F

Project Coordinator: Shri Tapan Kumar Sarkar, Scientist-

SIO: Shri Atanu Das

E-mail: rk.chail @nic.in

E-mail:

tapan.sarkar@nic.in

E-mail: sio-wb@nic.in





HIGHLIGHTS

Unified District Information System for Education Plus (UDISE+) is a major Management Information System launched by the School Education Department, Government of West Bengal. Fully online since 2019-20, it collects real-time data from all recognized schools, from Pre-primary to Class XII. UDISE+ supports planning, resource allocation, program implementation, and progress assessment by organizing and maintaining a reliable nationwide school database. It monitors key performance indicators to track and improve school performance.

URL: https://schoolinfo.banglarshiksha.gov.in/



RECENT INITIATIVES IN 2025

- Update DCF Data (as per new DCF of 2025–26)
- Working on Security Audit for the application
- Modify Project Database Design



RECORD ENTRY SUMMARY

Total School -93638

Total Teaching Staff - 581191

Total Non Teaching Staff -33151

Having Toilet - 92843

Having Electricity - 90963

Having Ramp - 64385

Having Drinking Water - 93362

TECHNOLOGIES













Integrated Online Salary Management System Version





HIGHLIGHTS

Streamlined Salary Processing: Automated payroll seamlessly integrated with the Integrated Financial Management System (IFMS).

Digital Service & Pension Records: Secure online maintenance of employment history and pension documentation.

Teacher Transfers & Pay Slip Access: Hassle-free online transfer processes and immediate access to pay slips.

Salary Increments: Accurate and timely implementation of

Online Income Tax Management: Simplified handling of income tax submissions and related activities.

Employee Profile Management: Secure and convenient updates to personal and professional information.

COMPLIANCE OF SDG (TECHNOLOGY)

- Application hosted in SDC server
- Shared resource available
- Daily database backup policy
- Periodical supervision of application security
- Developed and Hosted in Open Source platform thus cost saving
- Preventing unauthorized access by activating Firewall
- Provide authenticated access through unique User id and Password

URL:https://banglarshiksha.wb.gov.in/ios



RECORD ENTRY SUMMARY

Employees of Primary Schools

No. of School: 49,146

No. of Teachers: 1,79,841

Monthly salary disbursement: Rs 753,48,15,474

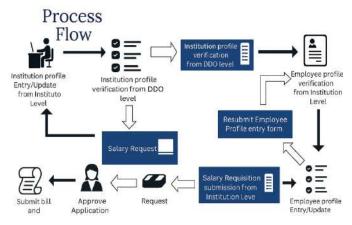
Employees of Secondary Schools

No. of school: 13,196

No. of Employee: 2,13,813

Monthly salary disbursement: Rs 1300,63,14,154

PROCESS FLOW



KEY FEATURES



BENEFITS

User Convenience

Time & Cost Savings

Introduce eGovernance Culture

Transparent Process Flow

Secured System

GREEN GOVERNANCE

Huge amount of hard copy to capture the employee details are totally converted in online application.

Almost 25 lakh hard copy related salary disbursement process is replaced by online applications.

Around 4.5 lakh cheques replaced by DBT through IFMS.

20 lakh copies of testimonials are replaced by scan copies.

Status reports are available in the dashboard of departmental stake holders.

TECHNOLOGIES









WEST BENGAL STUDENT CREDIT CARD SCHEME



Launched on June 30, 2021, the West Bengal Student Credit Card (WBSCC) Scheme provides collateral-free educational loans of up to ₹10 lakh at a subsidized 4% simple interest for students up to the age of 40 for studies in India or abroad. Digitally Delivered by NIC, this end-to-end paperless, automated, and transparent streamlines processes from student registration to loan disbursement. 88,948 Loan application has been sanctioned worth ₹3,245.95 Cr till now [data: 19-05-2025].

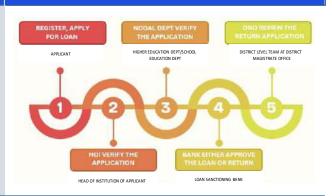




KEY FEATURES

Status 02 Tracking

PROCESS



SUCCESS STORY AND STATISTICS





LOAN SANCTION DISTRIBUTION BY ANNUAL FAMILY INCOME 41651 12388 1 - 2.5 Lakh 5 - 10 Lakh 0 - 1 Lakh 2.5 - 5 Lakh > 10 Lakh



TECHNOLOGIES



















HOG: Ratikanta Chail, Scientist-F ☑: rk.chail@nic.in Project Coordinator: Dibyendu Aich, Scientist-D ☑: dibyendu.aich@nic.in SIO: Shri Atanu Das, Scientist G ⋈: sio-wb@nic.in

https://wb.nic.in/ National Informatics Centre, West Bengal State Centre



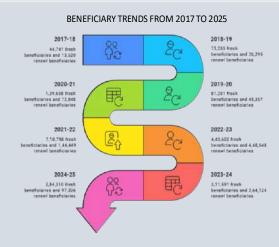
SWAMI VIVEKANANDA MERIT-CUM-MEANS SCHOLARSHIP





Swami Vivekananda Merit-cum-Means scholarship Scheme is introduced to provide scholarship to meritorious but poor students studying class XI/XII, UG, PG, M.Phil. or Ph.D. course in General Degree, Medical, Technical etc. category in the state of West Bengal. More than 31L students are benefitted since the inception of this web portal and more than Rs.5400 Cr are disbursed though the SVMCM-IFMS integrated portal to the scholarship beneficiaries. There are nearly 10000 institutions come under this portal. Yearly scholarship amounts range from ₹12,000 to

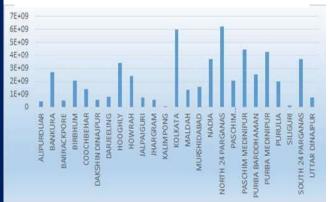




BENEFICIARY DISTRIBUTION BY SOCIAL CATEGORY

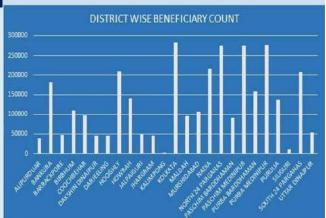


DISTRICT WISE SCHOLARSHIP AMOUNT DISBURSED (Cr.)



SCHOLARSHIP DISBURSEMENTS OVER THE YEARS





TECHNOLOGIES



















HOG: Ratikanta Chail, Scientist-F <u>rk.chail@nic.in</u>

Project Coordinator: Dibyendu Aich, Scientist-D <u>dibyendu.aich@nic.in</u>

SIO: Shri Atanu Das, Scientist G <u>sio-wb@nic.in</u>

https://wb.nic.in National Informatics Centre West Bengal State Centre



NextGen Kanyashree Online 9.0



Kanyashree is a unique ICT driven Conditional Cash Transfer programme which aims at improving lives of millions of adolescent girls having poor socio-economic background by empowering the Girl Children with Educational Empowerment, Financial Empowerment and Social Empowerment. Kanyashree Online is the e- Governance programme of the scheme. Presently, the software stack of the programme has being upgraded to Kanyashree Online v9.0.

Impact: Around 93.11 lakh Girls have been enrolled under this programme throughout the state. Around 3.29 Crore unit of Scholarships have been sanctioned so far. Enhanced value to citizen: Single-window & end-to-end ICT enablement application for Kanyashree girls.

Key Features

Al Abhigyan

(AI Based Information Extraction from AADHAAR Image)

Al Based Beneficiary Deduplication

Integrated with SBI Gateway for Beneficiary bank account validation

IFMS for Direct Benefit
Transfer

Al tools for smooth processing

AI Based Conversational Chat & Voicebot Production URL: https://wbkanyashree.gov.in

Production URL: https://admin.wbkanyashre e.gov.in



HOG: Atanu Das, DDG & SIO

HOD: Sarat Chandra Dhara, Scientist-F

(email: hod.wcd-wb@nic.in) (email: sio-wb@nic.in)

Other Officer: Dr. Subrata Roy Gupta, Sc-E [email: officer1.wcd-wb@nic.in]

Abhijit Roy, Sc-D [email: officer2.wcd-wb@nic.in]



NextGen Kanyashree Online 9.0



Awards & Achievement

- ✓ First Place Winner- United Nation's Public Service Award 2017
- ✓ Champion Project in UNWSIS (2016)
- ✓ Gem Tech Award of ITU & UNWOMEN (2016)
- ✓ Best Practice declared in Girl's Summit in London (2014)
- ✓ National e-governance Award Winner (2014-15)
- ✓ Manthan Award of e-Governance, (2014-15)
- ✓ Skoch SMART governance Award (2015-16)
- ✓ CSI Nihilent e-governance Award (2014-15)
- ✓ CM's Award (2014-15)



Since inception

Registered Institutions

128

88

Enrolled Applications

3.36 Crores

3.29 Crores

93.11 Lakhs

July,

Enrolled Application 5,02,624

Sanctioned
Application –
77,365

Unique Beneficiary enrolled - 1623

HOD : Sarat Chandra Dhara, Scientist-F

(email: hod.wcd-wb@nic.in)

Other Officer: Dr. Subrata Roy Gupta, Sc-E [email: officer1.wcd-wb@nic.in]

Abhijit Roy, Sc-D [email: officer2.wcd-wb@nic.in]

HOG : Atanu Das, DDG & SIO (email : sio-wb@nic.in)



NextGen Rupashree Online 3.0



"Rupashree Prakalpa" is a flagship programme of GoWB for economically stressed families to provide cash assistance is Rs.25,000 at the time of their adult daughters' marriages. Rupashree Online is the e-Governance mechanism of the scheme which provides end-to-end ICT enablement from beneficiary enrolment to direct benefit transfer.

Integrated with SBI Gateway for Beneficiary bank Account Validation

Production URL: https://rupashree.wb.gov.in

- End-to-end ICT enablement
- IFMS for Direct Benefit Transfer

Al Abhigyan (Al Based Information Extraction from AADHAAR Image)

Statistics



District 23

Block/Municipality 473 Beneficiary
Since inception –
19,06,338 In July,
2025 – 22,734

HOG: Atanu Das, DDG & SIO

HOD: Sarat Chandra Dhara, Scientist-F

(email: hod.wcd-wb@nic.in) (email: sio-wb@nic.in)

Other Officer: Dr. Subrata Roy Gupta, Sc-E [email: officer1.wcd-wb@nic.in]

Abhijit Roy, Sc-D [email: officer2.wcd-wb@nic.in]



Child Marriage Reporting and Tracking System (CMRTS) V1.0



CMRTS portal has been developed for reporting and recording Child Marriage cases in West Bengal.

Impact:

Total No. of Interventions reported in CMRTS portal: 9733 Enhanced value to citizen:

End-to-end ICT enabled solution

Since inception

Intervention 9733
Reported

Home Enquiry 7668
Done

Follow-up 24804
Done

Production URL: https://cmrts.wb.gov.in



In July, 2025

Intervention 1037
Reported

Home Enquiry 806
Done

Follow-up 5008
Done

HOD : Sarat Chandra Dhara, Scientist-F

(email : hod.wcd-wb@nic.in)

HOG : Atanu Das, DDG & SIO

(email : sio-wb@nic.in)

Other Officer: Dr. Subrata Roy Gupta, Sc-E [email: officer1.wcd-wb@nic.in]

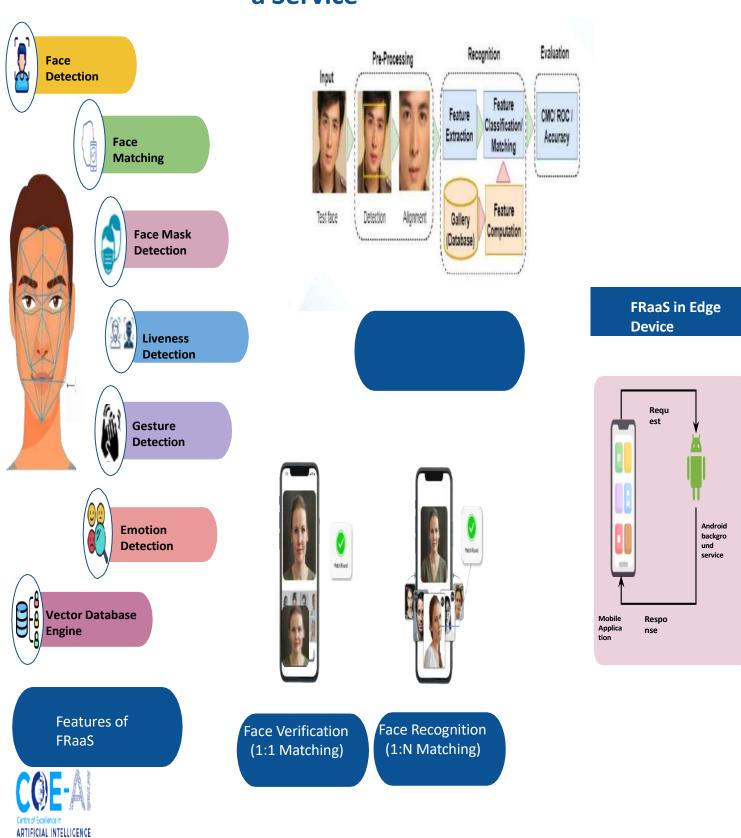
Abhijit Roy, Sc-D [email: officer2.wcd-wb@nic.in]



CoE Al Lab, Kolkata



Face Recognition as a Service



HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)





Face Recognition based Attendance System (FRBAS)



ARTIFICIAL INTELLIGENCE











FRBAS - PBSSD FRBAS - Employee FRBAS - Attendance School

RBAS - FRBAS School Anganwadi
(Proposed) (Proposed)

FRBAS (offline) -Agristack FRBAS - ARD (Proposed)

HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)





FRBAS in Action in Utkarsh Bangla (Technical Education Dept)



FRBAS-PBSSD



Group Attendance

2022-03-10 16:20:46:676073



3,58,649
Trainers and
Trainees
Registered



3401 Skill Developme nt Training Centre Onboarded



7.21 crore API hit Generated

for capturing
Attendance since
inception

20.287210190321



62.05 lakh API hit Generated for marking Attendance in July, 2025





HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)

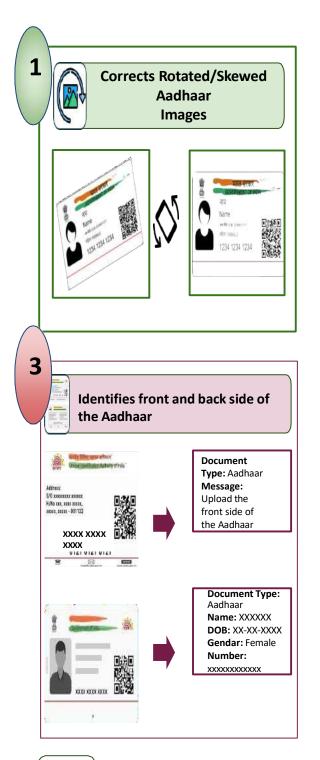


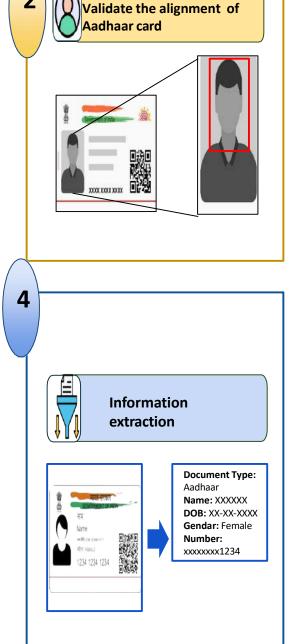
CoE AI Lab, Kolkata



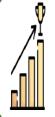
Al Abhigyan - AADHAAR

(Specialized Service for Information Extraction from Aadhaar Card)









99.3 lakh API hits has been recorded since inception



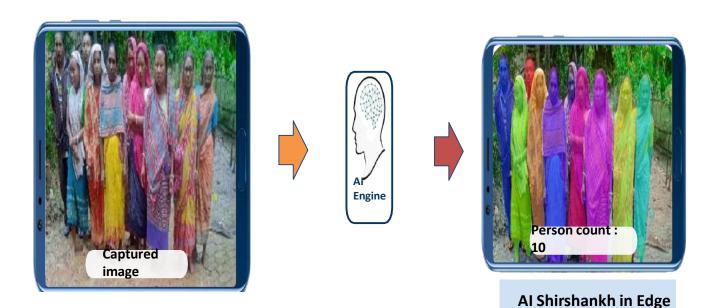
3.08 lakh API hits has been recorded in July, 2025



CoE Al Lab, Kolkata

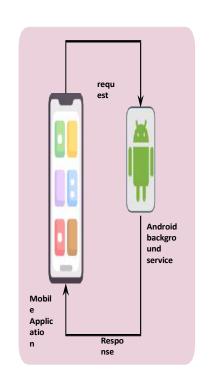


Al Shirshankh Al-Enabled Person Count Services of NIC



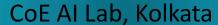
Being implemented in NREGA
 Mobile Monitoring System
 (NMMS) under the MGNREGA
 Project, initiated by the Ministry
 of Rural Development in both
 online & offline mode.





Device

HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)

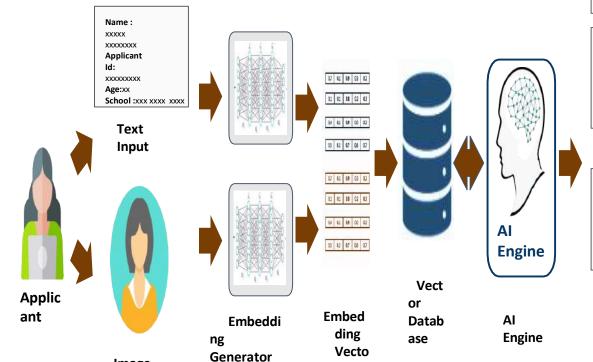






Al enabled beneficiary deduplication service

Name: xxxxx Applicant Id: xxxxxyxxx Age:xx School:xxx xxxx



Name: xxxxx xxxxx Applicant Id: xxxzxyxxx School :xxx xxxx 60% Identical

Name: xxxxx Applicant Id: xxxxxxyxx Age:xx School:xxx xxxx xxxyxx 30% Identical

Similar texts

Similarity Search as a Service for **Texts and Images**

Model







99% Identi

Identi

45% Identi cal

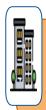
Since inception



AI- Transaction in Kanyashree 3.02 core

Image

Input



Al-Transaction in Rupashree 59 Lakh

rs

Similar Image **Results**

In July, 2025



AI- Transaction in Kanyashree 8,80,5225

ARTIFICIAL INTELLIGENCE

HOD: Sarat Chandra Dhara, Scientist-F HOG: Atanu Das, DDG & SIO (email: hod.aimlwb-wb@nic.in) (email: sio-wb@nic.in)

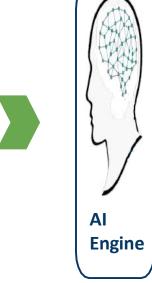


CoE Al Lab, Kolkata



Al Enabled Cardamom Leaf Disease Classification







Class











Predicted class:

Colletotrichum

Blight Confidence
score: 98%

MoU has been signed with Spices Board (Ministry of Commerce and Industry, Government of India) on 03/07/2024



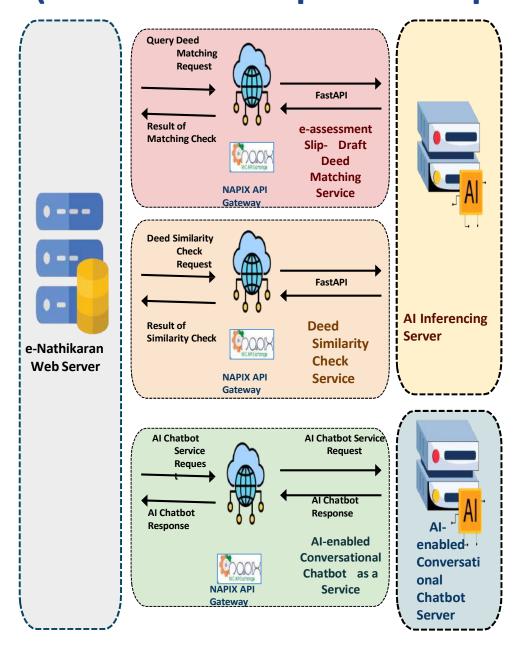


HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)





Al Services for e-Nathikaran (Proof of Concepts developed)





HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)





Al Sanlaap

Conversational AI-based Multimodal Multilingual Chatbot Framework of NIC



Multilingual

- English
- Bengali
- Hindi



Multimodal

- Text to Speech
- Speech to Text
- Translation
- Transliteration



Customizable Knowledge Base (KB)



Knowledge Base Creation using RAG



Hybrid Answering system: RAG and KB



Rule based customized chat features



Statistical Report



Hybrid Architecture

- Knowledg e-base Based
- RAG Based
- Rule Based



Feedback

Being implemented at:











HOD : Sarat Chandra Dhara, Scientist-F HOG : Atanu Das, DDG & SIO (email : hod.aimlwb-wb@nic.in) (email : sio-wb@nic.in)





Al Anurup

Approaches of Name Matching

AI-based Beneficiary Name Matching Service of NIC

Traditional Approaches

Common key, list-based, edit distance (e.g., Levenshtein)

No understanding of context or minor errors

Word Embedding

Numeric

representation of

names Captures

basic context

Transformer-Based Methods (LLMs)

Understands semantics, transliterations, and variants.

Robust to surface-level differences

Al Engine Juli begum julie begum Similarity: 90% Remarks: Minor Mismatch Pre Hybrid Processin Model

Input

Processing

Output



Character-Level Similarity

Captures fine-grained differences between characters

Embedding Vector Generation

Encapsulates semantic differences using Sentence Transformer models

Vector Matching

Quantifies closeness of embedding positions using cosine similarity

Final Matching Score Generation

Chooses the highest score from semantic and character similarities

Al Transactions in July 2025: 30,060

Generation

HOD : Sarat Chandra Dhara, Scientist-F (email : hod.aimlwb-wb@nic.in)

Other Officer: Dr. Subrata Roy Gupta, Sc-E [email: officer1.aimlwbwb@nic.in]

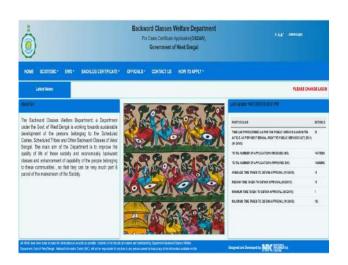
HOG: Atanu Das, DDG & SIO (email: sio-wb@nic.in)





State Projects: G2E





COALRR

https://eclcoalrr.in/

The COALRR portal is designed to simplify the land acquisition process by providing a transparent and accountable digital platform. It helps prevent data loss and ensures that compensation is not paid multiple times for the same land.

Total Plots: 54,820

Acquired Area: 36,410.4471 Acre

Total Khatians: 10,668 Total Owners: 5,134

Caste Certificate

https://castcertificatewb.gov.in/

The Backward Classes Welfare Department, a Department under the Govt. of West Bengal is working towards sustainable development of the persons belonging to the Scheduled Castes, Scheduled Tribes and Other Backward Classes of West Bengal.

SC,ST,OBC Application: 1,90,37,369 **SC,ST,OBC Certificates**: 1,69,05,803

EWS Applications: 55,420 EWS Certificates: 43,989

HOD: Aniruddha Pal, Scientist-F HOG: Atanu Das, DDG & SIO

(email: sio-wb@nic.in)

Other Officer: Anirban Kundu, Sc-D [email officer.bcw-wb@nic.in]

राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre

HIGHLIGHTS

Honourable CMD of ECL, Shri Samiran Dutta, inaugurated the COALRR Portal on 19/01/2024, in the presence of Functional Directors of ECL and Apex Officials of NIC facilitating faster approvals, and enhancing transparency.

The portal aims to simplify the land acquisition process and establish a transparent and accountable digital platform.

It helps to eliminate the risk of data loss and prevent multiple payments of compensation for the same land.

URL: https://eclcoalrr.in/

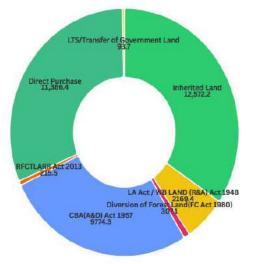
RECORD ENTRY SUMMARY

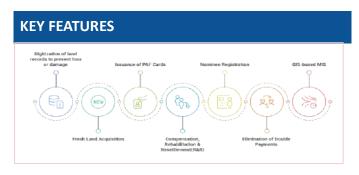












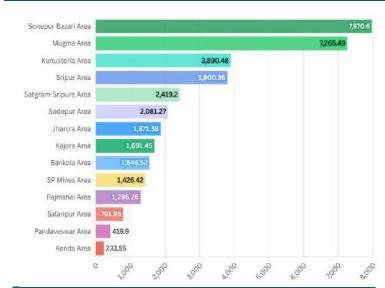
RECENT INITIATIVES IN 2025

- Fresh Land Acquisition, Possession, and Compensation
- Project Affected Family (PAF) Card Issuance
- Nominee Registration and Approval Module
- GIS-Based MIS (Land Acquired Area, Classification, Type, and Use)

TRAINING SESSIONS

Two-day COALRR Training and discussion was conducted at the ECL headquarters in the presence of GM LRE.

ACQUIRED PLOT IN AREA



TECHNOLOGIES









GeoServer





HoD: Shri Aniruddha Pal, Scientist-F ⊠
Project Co-ord. :Shri Anirban Kundu, Scientist D ⊠
SIO: Shri Atanu Das, Scientist G ⊠

anipal@nic.in
anirban.kundu@nic.in
sio-wb@nic.in

mhttps://eclcoalrr.in

Mational Informatics Centre, West Bengal State Centre



Highlights

The Backward Classes Welfare Department, a Department under the Govt. of West Bengal is working towards sustainable development of the persons belonging to the Scheduled Castes, Scheduled Tribes and Other Backward Classes of West Bengal.

The main aim of the Department is to improve the quality of life of these socially and economically backward classes and enhancement of capability of the people belonging to these communities, so that they can be very much part & parcel of the mainstream of the Society.



KEY FEATURES Digitally sign Caste and EWS certificate Old Manual Certificates are Available at Digilocker 7 API Publish through NAPIX Application Verification for Citizen Services. Backend Processing of Applications

Comparison of Application and Certificate Totals 19037369 16905803











TRAINING SESSIONS

South 24 Parganas

North 24 Parganas

Murshidabad Cooch Behar Bankura Hooghly aschim Medinipur

Nadia Maldah Purulia

Birbhum

Purba Bardhaman Uttar Dinajpur Purba Medinipur

Training course conducted at Cultural Research Institute for 60+ user department officials of Bcwd West Bengal.

Users are trained regularly on updates and changes in the application from time to time.

District Wise Caste Certificate.

Total Certificate



Jalpaiguri Dakshin Dinajpur Howrah Alipurduar Jhargram 307,723 schim Bardhaman Darieeting Kolkata 152,577 Kalimpong 44,440

HoD: Shri Aniruddha Pal Scientist-F Project Co-ordinator: Shri Anirban Kundu Scientist-D SIO: Shri Atanu Das Scientist

Email: anipal@nic.in Email: anirban.kundu@nic.in Email: sio-wb@nic.in

National Informatics Centre, **West Bengal State Centre**

West Bengal (State/Central/Districts) projects portal



eAbkari for NCT Delhi state Excise https://eabkari.delhi.gov.in/

Prism Id:3490

Highlights

The eAbgari project covers the core activities of State Excise:

- Ensuring public health through Regulation and intelligence, Enforcement Measures.
- Minimum consumption maximum revenue ensured.
- Excise License Management to render 360 degree profile of Excise Licensees
- Inventory Management at all Excise Nodes
- Excise Revenue Management
- Excise Licensing creation and Renewal.
- Label Registration of Packaged Liquor
- Issuance of NOC / Permits / Passes / EVCs with status tracking at all hierarchical levels
- Supply chain management using QR Code based EAL on Bottles / Cases

Technology used

Technology Stack: MS ASP.NET Fram ework IIS 8.0. Database: SQL Server 2022,

DevOps: Software Development Method using GitLab CI/CD pipeline.

Key features(Graph/Image)



Statistical Figures/Integrations

- ✓ No of Licensee: 3962.
- ✓ Permit Issued: 1063896
- ✓ Corp Bottle Sold (IL/FL): 36.74 Cr.
- ✓ HCR Bottle Sold (IL/FL): 91.46 Lakh
- ✓ Total Revenue: 2095.41 Cr.
- ✓ Bottle Stock (Vend): 22.31 Cr.



Graphical representation(daily increment/Decrement)



Area of Activities

- ✓ Renewal of Licenses
- √ Export Pass
- ✓ Role Based Query execution facility.
- ✓ Operational Issue Fixing.

Summary/Training

- Capturing of Stock for Vend & warehouse has been shared.
- Renewal of Licenses is put in place.
- ✓ Supply Chain of M&TP put in staging for UAT.
- ✓ Non Executed TPs has been update in the system

Implementation/Benefits to Citizen

- Execute better Enforcement Management for safeguarding public health from spurious liquor
- ✓ Increase in Excise Revenue arresting revenue leakage points through reconciliation of every drop of spirit imported or manufactured and curbing sale of non-duty paid, illicit and spurious liquor
- ✓ Time ly Supply of life-saving medicines.

Awards and achievements

HOD: Manas Kumar Bhattacharya Sc-F
Project Coordinator: Manas Kumar Bhattacharya, Sc-F
SIO:ShriAtanu Das, DDG& Sc-G

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58

West Bengal (State/Central/Districts) projects portal



eCounselling for West Bengal state

https://wbmcc.nic.in

PG Medical & Dental Prism ID: 2884
UG Medical, Dental & AYUSH Prism ID: 3061
PG AYUSH Prism ID: 3130

Highlights

The eCounselling project covers the core activities of WBMCC:

- Centralized Medical Counselling Platform.
- Real-Time Merit-Based Seat Allotment.
- Streamlined Registration & Application Process
- Inventory Management at all Excise Nodes
- Document Verification & Eligibility Validation
- Excise Licensing creation and Renewal.
- Dynamic Seat Matrix and Vacancy Updates
- Multi-Round Counselling Workflow
- Institution and Course-Wise Reporting Dashboard
- Automated Allotment Letters & Admission Status
- Offers timely support and resolution through helpdesk integration, FAQs, and user guidance documentation.

Technology used

Technology Stack: MS ASP.NET Framework, IIS 8.0 Database: SQL Server 2017, AJAX, JS

DevOps: Software Development Method using GitLab.

Key features (Graph/Image)



Statistical Figures/Integrations

- ✓ No of Counselling Projects: 5.
- ✓ Total Seats: 7797
- ✓ Total Candidates: 49.18 Lakhs
- ✓ Total Registered Candidates: 18,394
- ✓ Total Revenue: 3.66 Cr.
 ✓ Total Admitted: 7391



Graphical representation (total count wise)



Area of Activities

- ✓ Medical & Dental UG & PG Seat Admission
- ✓ Seat Allotment & Admission Management
- ✓ Candidate Registration & Document Verification
- ✓ Operational Issue Fixing.

Summary/Training

- For re-structuring the wbmcc web site a training has been organized by NIC, HQ SWAAS team.
- ✓ UG & WB NEET MDS Counselling preparation along with NIC Delhi eCounselling team.
- ✓ Discussing with the department for initiation of Medical, Dental & Ayush Counselling.

Implementation/Benefits to Citizen

- Ensures fair and real-time allocation of medical seats through a centralized, rule-based system, eliminating bias and manual errors.
- ✓ Enables students to complete registration, choice filling, document verification, and admission tracking entirely online—saving time and travel.
- Provides dynamic Vacancy updates, allotment and 24/7 support through helpdesk for smooth counselling experience.

Awards and achievements

Project Coordinator: Rupa Kar, Scientist E

HOD: Manas Kumar Bhattacharya Sc-F

SIO :Shri Atanu Das, DDG& Sc-G

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59



West Bengal Social Registry

(Finance Department, Government of West Bengal)



Highlights:

(Prism Id:20967)

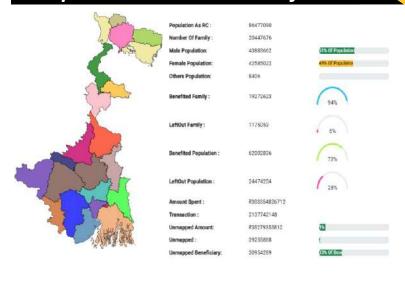
https://socialregistry.wb.gov.in

The West Bengal Social Registry System (WBSRS) is a centralized platform developed to streamline welfare scheme delivery across the state. Managed by the Finance Department, it currently hosts 67 of 130 schemes—including 53 state and 14 central schemes. Data integration is enabled via Kafka (real-time streaming), APIs (system integration), and Excel uploads (for manually maintained schemes), ensuring flexible and comprehensive coverage.

Category of application: G2G, G2C, G2E.



GIS-powered Statistical Profile



Key Features:



Khadyasathi data used as Single Source of Truth.



GIS-enabled LGD data for dashboards.



Unified brochure of 130 schemes.



Secure access via MFA and rolebased control.



AI-powered chat-bot for scheme införmation



Multiple data exchange methods (Kafka, APIs, Excel)

Chart-based monitoring with regular updates.

Recent Activities:

- Implementation of Bhashini Translation Plugin, OpenProject & APISIX initiated.
- GIS-powered Statistical Profile Menu added.
- Session Expiry Timer implemented.
- Restricted access provided for PMU Team of BDO India LLP for monitoring purposes.
- Advanced RAG-based chatbot in development.
- Info button added for chart descriptions.

Usage Statistics:

Available Data	June 2025	July 2025	Total FY:25-26
Schemes On-boarded	1	2	8
Beneficiary	54K	2.63 Lakh	14.67 Cr
Transaction	8K	10.37 Cr	10.67 Cr

Technology Stack:









































Port Operation Management System

(Kolkata Dock System, Shyama Prasad Mookerjee Port)



Highlights:

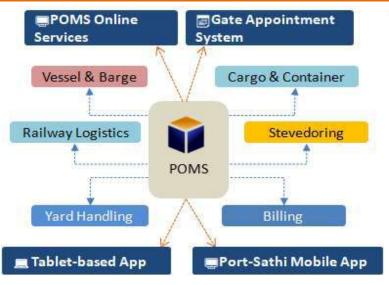
(Prism Id:20880)

https://kdseodb.smportkolkata.in

Port Operations Management System (POMS) was developed in 2007 and implemented in 2010 for Shyama Prasad Mookerjee Port, Kolkata (Kolkata Dock System), to streamline and support various port operations.

Despite challenges like the COVID-19 pandemic, POMS has operated continuously and evolved through regular upgrades to meet modern port business needs.

Key Functionalities





Key Features:

Role-Based User Access

Email Bulletin Service for Business Data

POMS EoDB Portal for Stakeholders

End-to-End Process Management

Covers Port Operational & Billing

LDB

IPA-NLP Marine

Pre-Gate

RFID

Weighbrid ge

Recent Activities:

API Integration: 4 inbound and 8 outbound messages ready for APSEZ-SMPK testing.

Charges & Rebates: Foreign container composite box charges now include rebates. Garbage removal charge added to POMS billing. New container rebate added in GST code.

Billing Enhancements: Dy. CAO-III's digital signature added to GST invoices. Royalty billing module developed for Century Port Limited.

Rate Revisions: Updated rates in Weighbridge modules at KPD-I (East) and Coal Dock.

Usage Statistics:

Operation Statistic	June 2025	July 2025	Total FY-2025-26
Vessel	85	88	341
Rake	284	295	1120
Vehicle	27886	30384	118397
Container	52857	52988	208440
Consignment	15095	14473	60585
Tax Invoice	14978	16319	62866
Sagar-Setu Messages	127732	147459	524076

Technology Stack:









i-net **Clear Reports**









HOD: Shri Aniruddha Pal, ASIO & Scientist-F Link Officer: Shri Sarajit Dey, Scientist-F SIO: Shri Atanu Das, SIO, DDG & Scientist-G

⊠: anipal@nic.gov.in ⊠: shod7-wb@nic.gov.in,s.dey@nic.gov.in \boxtimes : sio-wb@nic.gov.in



Enterprise Business Application System

हरामा प्रसाद मुख्नी चेरं, कोलकारा (Haldia Dock Complex, Shyama Prasad Mookerjee Port)



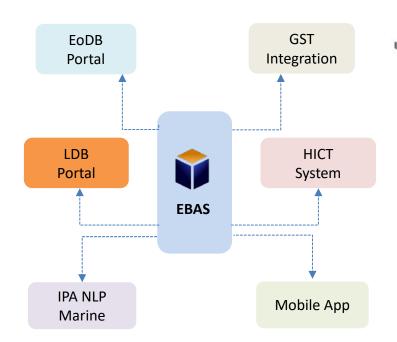
Highlights:

(Prism Id:20883)

https://hdceodb.smportkolkata.in

In 2000, NIC/NICSI initiated a turnkey project at Haldia Port, resulting in the development of the Enterprise Business Application Software (EBAS), covering five operational and five functional divisions. Implemented in July 2003, EBAS has been continuously maintained and upgraded to meet evolving business needs.

Integrations:





Role-Based **User Access**

Email Bulletin Service for **Business Data**

EBAS EoDB Portal for Stakeholders

End-to-End Process Management

30 Modules with 1500 UI and 3500 reports

Integrated with 10 external systems.

Covers Port Operational & Functional Activities

Usage Statistics:

esage statisties:				
Operation Statistic	June 2025	July 2025	Total FY-2025-26	
Vessel	174	181	681	
Rake	783	854	3381	
Vehicle	3939	5207	17485	
Consignment	3051	3921	11877	
Tax Invoice	162833	138822	614367	
Sagar-Setu Messages	17913	20200	164810	

Technology Stack:







i-net









Recent Activities:

Foreign Trade & Container Data: Prepared for DGFT.

Electricity Billing: Arrear charges added; revised Scale of Rate implemented.

Remission Bills: Application modified.

Container Gate Receiving: UI updated to fetch VGM weight from COPRAR.

Strategic Planning: Data entry for Berths 4A & 12 developed.

Attendance System: New abbreviations applied across UI and reports.



National Projects Implemented in WB



E-COURTS

Transforming Justice delivery by ICT enablement of Courts

E-COURTS

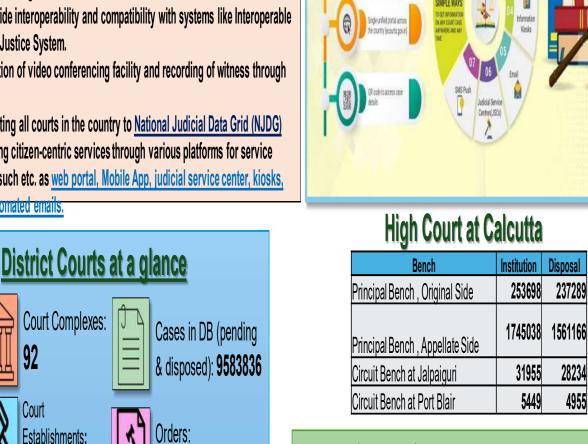
Digital India

Unique Features

Objective

- To develop, install and implement decision support system in courts
- To automate judicial processes to provide transparency in accessibility of information to its stakeholders
- To enhance judicial productivity both qualitatively and quantitatively
- To make justice delivery system affordable, accessible, cost effective, predictable, reliable and transparent
- To make policy for managing caseloads for effective court management and case load management.
- To provide interoperability and compatibility with systems like Interoperable Criminal Justice System.
- Installation of video conferencing facility and recording of witness through
- Connecting all courts in the country to National Judicial Data Grid (NJDG)
- Providing citizen-centric services through various platforms for service delivery such etc. as web portal, Mobile App, judicial service center, kiosks,

SMS, automated emails.



HOD Partha Sarathi Ghosh, Scientist-F

(email: officer1.ljwb-wb@nic.in)

Other Officer Sandip Chakraborty, Sc-D [email officer2.ljwb-wb@nic.in]

340538

HOG: Atanu Das, DDG & SIO

715 (District Courts of W.B.)

(email: sio-wb@nic.in)

E-filing count (till July,2025): 4328 (Hon'ble High Court at Calcutta)

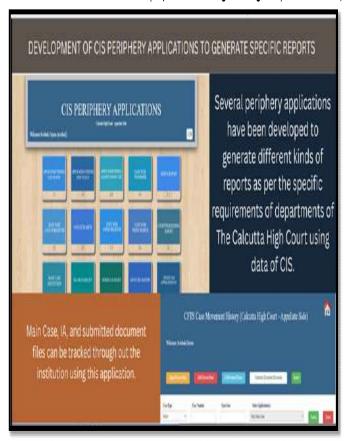
IT initiatives at Calcutta High Court





Calcutta High Court Website (https://calcuttahighcourt.gov.in)

Display board of Calcutta High Court (https://display.calcuttahighcourt.gov.in)





Periphery applications based upon CIS at Calcutta High Court

HOD Partha Sarathi Ghosh, Scientist-F

(email: officer1.ljwb-wb@nic.in)

Other Officer Sandip Chakraborty, Sc-D [email officer2.ljwb-wb@nic.in]

HOG: Atanu Das, DDG & SIO

(email: sio-wb@nic.in)

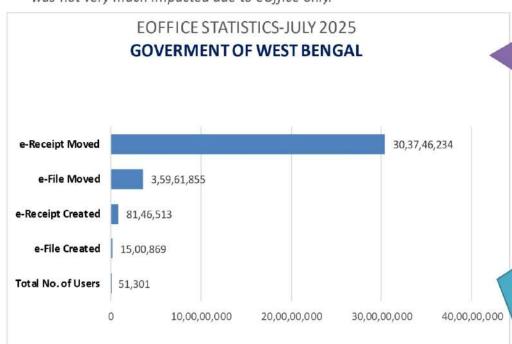




Impact and Benefits

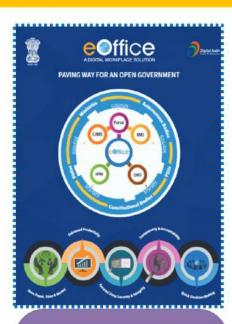
https://eoffice.wb.gov.in

- ✓ Currently, all 54 departments, 237 directorates/parastatals, all 22 districts, 39 sub-divisions are working in eOffice with around 40,000 files transacted daily.
- ✓ After implementation of eOffice, as per user experience, the file disposal rate has become 10 times than the older conventional physical file system. Instantly any number of files are sent and received without requiring any help of any peon etc and the recipients get SMS/email alert messages on receiving any file.
- ✓ Any file in any department can be traced immediately.
- ✓ Apart from saving stationaries, it is saving significant amount of government revenue and valuable time as files are now not required to transport from departments at different locations to Finance, Home department etc.
- ✓ As anyone can work from anywhere and anytime, even from home, it adds to the productivity manifold. During Covid situation the productivity in file-works was not very much impacted due to eOffice only.



Future Road Map

- ✓ It has been decided by GoWB to implement eOffice in all the directorates of all the secretariat departments. Works are in progress to achieve the target.
- ✓ In the next phase extend eOffice to all Sub-division and Block level. This would make West Bengal as a unique state to achieve complete eGovernance.
- ✓ It is also planned to have a Disaster Recovery (DR) setup in different geographic location for ensuring safety of data and also a Business Continuity Plan (BCP) to ensure availability of eOffice.



DEPARTMENT UNDER STATE GOVERMENT

- ✓ Govt. of WB Secretariat
- ✓ Districts
- ✓ Sub-Division
- ✓ Kolkata Police
- ✓ West Bengal Police
- ✓ WBSEDCL

DEPARTMENT UNDER CENTRAL GOVERMENT

- ✓ Coal India
- ✓ Damodar Valley Corporation
- ✓ AIIMS Kalyani
- ✓ Tea Board India
- ✓ Geological Survey of India
- ✓ Indian Army Eastern
 Command
- ✓ AIIH&PH
- ✓ National Atlas & Thematic Mapping Organisation (NATMO)
- ✓ National Council of Science Museums (NCSM)
- ✓ Indian Bureau of Mines ... and more.

HOD: Dr. Siddhartha Sen, Director (IT), NIC, WB
Project Coordinator: Dr. Siddhartha Sen, Director (IT), NIC, WB

SIO: Shri Atanu Das, DDG & Sc-G

100





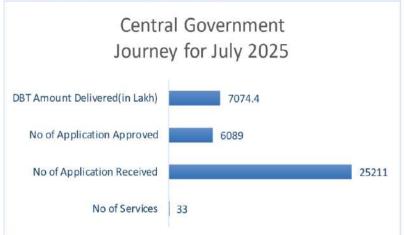


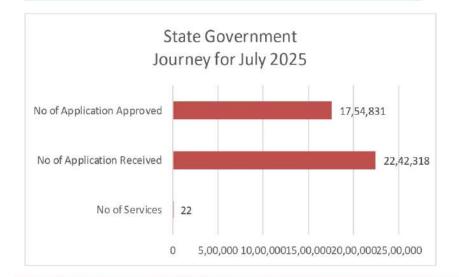
HIGHTLIGHT

All-in-one citizen engagement platform, used by State Government and Tea Board of India in West Bengal

"Make all Government services accessible to the common man in his locality, through common service delivery outlets, and ensure efficiency, transparency, and reliability of such services at affordable costs to realize the basic needs of the common man"

- Regulatory Approval Services: The services like Issuance of Electricity Permission, festival permission, idol immersion are given to the citizens.
- **E-Governance Services**: Around 33 no of e-governances including DBT are being delivered for various schemes of Tea Board of India.
- Issuance of Certificates Services: Various certificates like income certificate, Residential Certificate, legal heir certificates etc being generated for Govt of West Bengal.





https://serviceonline.gov.in https://tathyasathi.bangla.gov.in



Features

Powerful in-built tools enable rapid design, easy configuration, security compliance & roll out of services



HOD: Dr. Siddhartha Sen, Director (IT), NIC, WB

Project Coordinator: Dr. Siddhartha Sen, Director (IT), NIC, WB

SIO: Shri Atanu Das, DDG & Sc-G



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eChallan





Digital Traffic/Transport Enforcement Solution

About e-Challan:

- One Nation One Challan Android based mobile app and web application for issuing e-Challans.
- Comprehensive solution for transport and traffic enforcement officers.
- End-to-end automated system with customizable digital interface for all the stakeholders.

Stakeholders

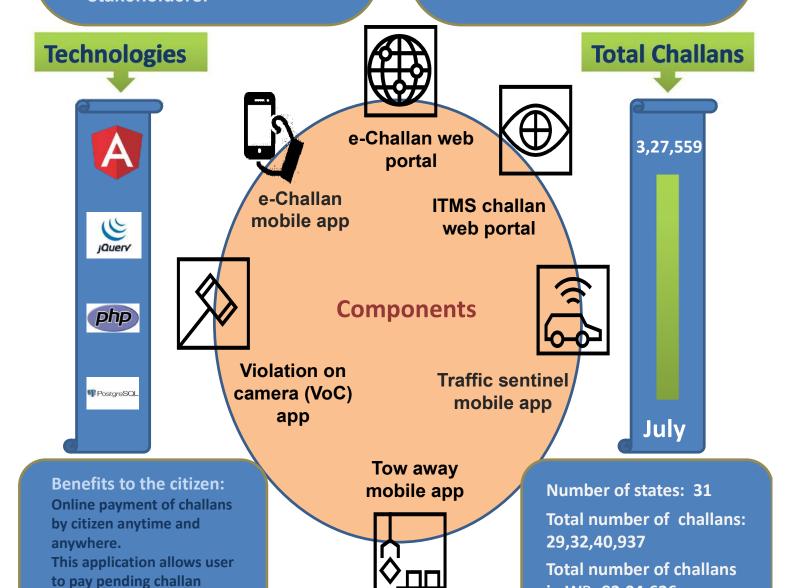
- Enforcement officers
- State Transport office
- Regional Transport/Traffic office
- Ministry of Road Transport & Highways

in WB: 82,04,626

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Citizens



amounts online

eChallan





Digital Traffic/Transport Enforcement Solution

e-Challan Key Components



Mobile component

- On spot challaning
- Challan Receipt printing through thermal printer
- Geostamped Image capturing, Geo fencing
- Multiple payment options
- Linkage with Vahan and Sarathi
- Notification and Alerts
- Online and offline optio



Web component

- User management
- Challan management
- Map-based duty assignment
- Court master management
- Area master management
- Team management
- Offence Id management
- Grievance management
- Dashboard and analytics
- Notification mailbox etc.

68

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iRAD

(INTEGRATED ROAD ACCIDENT DATABASE)



Developed under the guidance of MoRTH to work in the direction of enhancing Road Safety.

Facilitates a Centralized
Accident Database for hosting
all the accident data, updated/
accessed through customized
interfaces for the various
actors/ stakeholders

Data Sources

Police Department, Health Department, Transport Department, Highways/ NHAI

Data Consumers

MoRTH, Police Department, Transport Department, Health Department, Highways, Insurance



IRAD FIELD APP

- Software Rolled Out in Police ,Transport, Roads and Health Department
- Since Implementation, data related to 17207 persons killed, 23454 persons suffering grievous injury and 10290 persons suffering minor injury have been stored in the system.
- 35735 live accident data has been captured by iRAD application from West Bengal with the help of 23 DRMs. Usage is expected to increase with time.



Work Flow Login Credential based access for State/District/Police Station and Police Officers, as per CCTNS/ CIPRUS



Capturing of GPS Location of accident site



SMS Alert to all Stakeholders



Hosting of WEB Application in Government Data Centre



Compliance of Web Security Guidelines of Gol



Adoption of Open Source RDBMS for storing Data



Integration of iRAD web & mobile apps with external systems like CCTNS, Vahan, Sarathi etc

HOD: Smt Sanhita Bhattacharjee SIO:Shri Atanu Das,DDG& Sc-G

E-mail: sanhita@nic.in E-mail: sio-wb@nic.in



POLUTION UNDER CONTROL CERTIFICATE



Centralized application for vehicular emission testing

Standardized testing and certification process

Ensures compliance, better data consistency





PUCC issued

36.92Cr PUCC(All India) 2.9 Cr. PUCC(WB)

48K + PUCC Centres
Operational (All India)
3.6K + PUCC Centres
Operational (WB)



37 Manufacturers (All India),19 Manufacturers (WB)91 Device Models (All India)46 Device Models (WB)

Revenue Rs. 209.08 +Cr (All India) Revenue Rs. 93.9+ Lakhs (WB)

Salient Features of the Project:

Any vehicle can get the PUC check done any where in the country

Prepaid option for PUCC Station

Uniform PUC Certificate (i.e. Form 59) throughout the country

Real Time SMS/ OTP facility

Mobile PUC Centre.

PUCC Mobile Application

TECHNOLOGY USED:



PostgreSQL

JSF, Prime Face, Kotlin XML

HOD: Smt Sanhita Bhattacharjee SIO:Shri Atanu Das,DDG& Sc-G

E-mail: sanhita@nic.in E-mail: sio-wb@nic.in

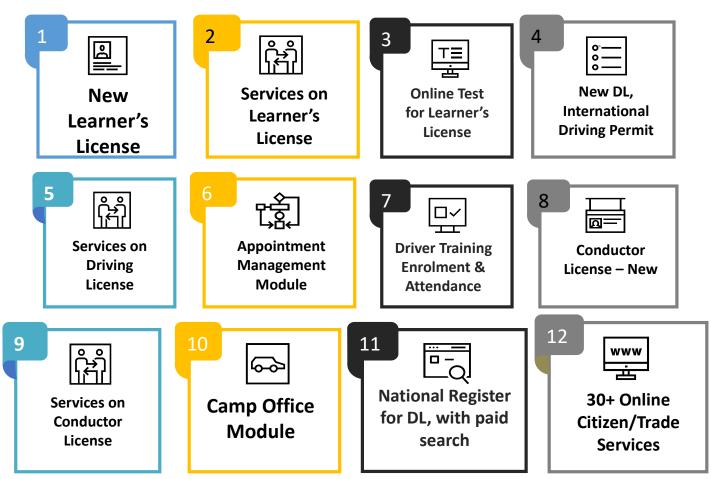


SARATHI



SARATHI 4.0 is currently providing services throughout 54 RTO/ARTO of 24 districts in West Bengal, for issue of Learner's Licence, issue of Driving License, issue of Conductor License and issue of Driving School Licence. All the services related with Learner's Licence, Driving Licence, Conductor Licence and Driving School Licence are available through Citizen Centric Service portal to avail services from convenient location.





- **SARATHI-4** has been integrated with West Bengal state service portal (BSK) and providing four services related with driving licence and two services related with conductor licence.
- **SARATHI-4** has been integrated with eChallan which makes easy to get offence(s) lodged against driving licence.
- **SARATHI-4** is providing BRAP(EoDB) Statistics in order to track end-to-end service wise delivery statistics in transparent way.



SARATHI



Statistics (Since Inception): Sarathi

State: West Bengal Faceless services

Authority (LA) **54**

Licensing

Digital Driving Licenses **97.8 Lakhs** Digitized driving school

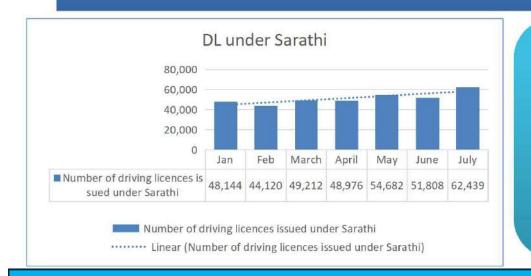
Digitized
Learner
Licences
110.65
Lakhs

Digitalized Conductor Licenses **24,003**

Revenue Rs. 671.42 cr

New Implementations

- 1. Integration of impounded documents/images from eChallan system with SARATHI Enforcement Module for:
 - i) Enforcement actions and
 - ii) Grievance resolution
- 2. Two new driving licence related services integrated with BSL portal:
 - i) Change of Address in DL
 - ii) Duplicate DL Application



Benefit to the citizen

Citizen may submit application and may deposit prescribed fees through online fees payment facility without visiting RTO/ARTO.

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VAHAN



VAHAN is a highly flexible and comprehensive system that takes care of all the burdensome activities of Vehicle Registration, leaving the Transport Department to deal with more important business issues. The software enables the processes at **RTO/ARTO** involving Vehicle Registration, Fitness, Taxes, Permits & Enforcement to get computerized.

The State Transport Department is governed by both Central Motor Vehicle Regulation (**CMVR**) and state specific Motor Vehicle Regulation (**State MVR**). Consequently, **VAHAN** was conceptualized as a product that would capture the functionalities as mandated by CMVR as well as state MVRs.

Vehicle related services



Homologation



Vehicle Fitness and Inspection



Taxation Module and Tax Service



Check Post



Smart Card, KMS & HSRP modules



Vehicle Registration: Permanent/ Temporary



Vehicle Conversion and Alteration



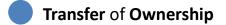
Permit – Contract, Stage, National Permit, etc



100+ Online Citizen/Trade Services

Number of registered vehicles under VAHAN in WB- JULY Month- 86,781 Number of transaction in VAHAN: 3,86,032

Faceless services





Change of Address

Hypothecation Addition

Hypothecation Termination

Application for Fitness Certificate

Renewal of Registration

Conversion of Vehicle

Pay Your Tax

Enhanced value to citizen:

VAHAN offers various e-services to citizens, including applying for fancy number plates and checking vehicle registration status.

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e-Detection



e-Detection portal detects defaulters (Tax, fitness of vehicle, Insurance) vehicles while passing through toll plaza and then take necessary actions by Transport Department. In West Bengal pilot project has been just started (June-2025) at Debra toll plaza and inaugurated by West Bengal Transport Officials along with NIC officials.

Flow of actions

Impact: Enhances enforcement efficiency and revenue collection by automating detection of defaulter vehicles



Vehicles passing through toll plazas



Passing vehicles data of toll plazas fetched through e-detection portal



Motor vehicle inspector inward challan for all default vehicles through e-detection



Vehicle owners can pay challan amount through echallan portal



No of challans through e-detection: 13

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West Bengal Data Center



Infrastructure & Resource Allocation

- Servers: 12 units, each with 2 CPUs (24 cores per CPU)
- Storage: 210 TB usable capacity
- Memory: 6 TB RAM
- Cluster Type: Linux-based
- Network Speed: 10G / 25G / 40G

Cloud Services

o VMs Created: 410

o Cloud Accounts: 34

Load Balancers: 6

Backup Services: 94

o Public IPs: 70

Services: PaaS and IaaS

◇ OpenStack Cloud

Platform managing large pools of compute, storage, and network resources.
Key components:

- Nova: Automates compute resources
- Neutron: Manages network connectivity
- Storage: Offers scalable, persistent block storage
- Keystone: Provides authentication & authorization
- Horizon: Web-based management dashboard

Mini-Cloud Kolkata Summary

Management Tools

- VMware vSphere, vCentre
- vRealize Automation, vRops
- Alteon Vision (Radware Load Balancer)
- Cisco UCS, Cisco HyperFlex HX
- Data Platform Controller
- Commvault Backup

XTechnology Stack

- Application Servers:

 Apache 2.4.62,
 IIS 8/10,
 Nginx 1.25
- Database Servers:
 PostgreSQL 12/13/15/16,
 SQL Server 2008,
 R2/2012/2019,
 MariaDB 10.3/10.5/10.11
- Operating Systems:
 AlmaLinux 8.5/8.10,
 CentOS 7.9/8 Stream,
 Ubuntu 18.04/20.04,
 Windows Server 2012

Other Infrastructure
Mini Data Center,
Kolkata

♦ Hyper-V Failover Cluster

Windows-based cluster solution for high availability and scalability of virtual machines.

- Nodes run Hyper-V within
 Windows Failover Cluster
- Shared storage accessible by all nodes
- Cluster networking ensures inter-node communication

◆ RHEL Pacemaker Cluster

Linux-based high availability cluster for critical applications.

- Nodes store state & config
- SAN-based shared storage
- Interconnected via reliable network
- Fencing for node isolation, stickiness to avoid unnecessary migration, and manual migration support

❖ A total of 46 websites from various departments under the Government of West Bengal, Government of India, and NIC were hosted from the West Bengal Data Centre.

As of now, 13 websites remain in the running state, with extended services enabled to support their ongoing migration process.

❖ A total of 10 CUCs from the NDC infrastructure are maintained from the Kolkata Data Centre.

Among them, **66 sites are currently running** or operating under **extended services** due to their **ongoing migration process**.

HOG: Shri Atanu Das, DDG & SIO, Scientist-G HOD: Shri Sarat Chandra Dhara, Scientist-F

Project Coordinator: Shri Sandip Pramanik, Scientist-D

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 \succeq

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WB NAPIX



NAPIX Service in WB

4.9+ Crore
API calls so far

94+

APIs published on NIC West Bengal gateway so far

16+

Forms received for Sandbox Tenant account so far

50+

Products published on NIC West Bengal gateway so far

HOG: Shri Atanu Das, DDG & SIO, Scientist-G

- 1. **Infrastructure** - The subsystems of Gateway and Analytics have been deployed. The gateway has been constructed with a comprehensive architecture to provide centralized management. The NAPIX Sandbox public IP was allocated for the purpose of establishing connections between the SDC/outside NICNET backend servers. Three public IP addresses were allocated to three WB NAPIX gateway servers in order to establish connections between the WB NAPIX Gateway servers and the SDC/outside NICNET. The validation process has confirmed the linkage between the Sandbox and WB NAPIX gateways and the SDC. Additionally, a public IP is allocated to the NAPIX Gateway in order to facilitate access to the endpoints from external sources outside of the NICNET network.
- 2. Production A total 50products and 94
 APIs have been published on NIC West
 Bengal production environment. The
 catalogue and API may now be accessed
 using the discover API on the NAPIX
 portal. We have made extensive efforts
 to design APIs and the necessary
 support for migrating all the APIs to the
 NIC West Bengal NAPIX Gateway.
- 3. Elastic Search Cluster Set up a threenode Elastic Search Cluster to store analytical logs from NIC WB Napix analytic servers, which only retain logs for three months. The analytics logs can be viewed using the Kibana dashboard.

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sio-wb@nic.in

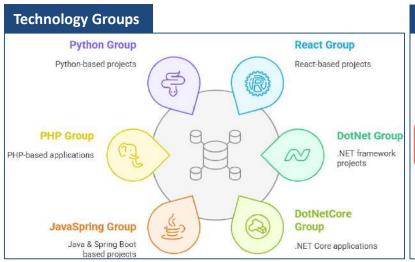


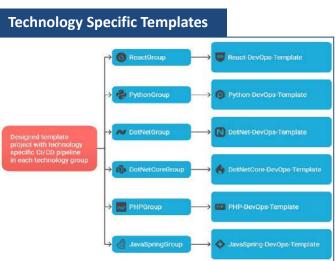


Unified DevSecOps Platform for Secure, Multi-Stack CI/CD Automation



Unified DevSecOps Platform for NIC WB, designed to streamline software development by integrating security, automation, and infrastructure into a single platform. It provides technology-specific CI/CD templates (PHP, React, Python, .Net, .Net Core), automated infrastructure provisioning, and integrated security tools, enabling application teams to focus on development while ensuring secure practices. The platform also introduces centralized onboarding, high availability, self managed GitLab, s3 compliant container registry, Kubernetes integration, and GitOps (ArgoCD), making it a future-ready system.





The GitOps feature in the architecture leverages ArgoCD to continuously synchronize infrastructure and application deployments with Git, ensuring automated, auditable, and version-controlled delivery.

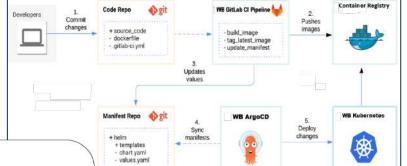
Subgroup 1 - Owned by HOD 1

Members Added by HOD 1

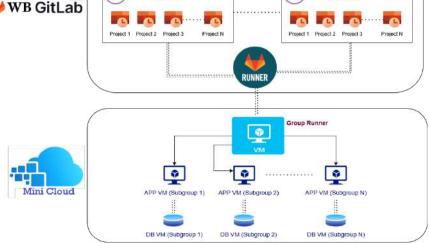
DevSecOps Flow

Subgroup N - Owned by HOD N

ers Added by HOD N

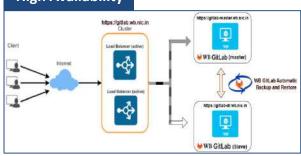


Technology Group Architecture



The self-managed GitLab has been deployed in a High Available mode through active load balancers and a master-slave GitLab setup with automatic backup and restore.

High Availability



HOG: Shri Atanu Das, DDG & SIO, Scientist-G

HOD: Shri Sarat Chandra Dhara, Scientist-F

Project Coordinator: Smt. Shila Rani Sahoo, Scientist-D &
Shri Sandip Pramanik, Scientist-D



DGX A100 Universal System for AI Infrastructure



Kubernetes Administration - Supercomputing

DGX A100

60+

POD(s) are running

320 GB GPU

A total of 8 GPUs with 320 GB of GPU memory.

75+

Al training and inference services are operational.

MIG instances have been created on the Kolkata DGX A100 with varying GPU memory.

23

PC-11/PC Reer Leik KK £ 22005SX

Architecture of Kubernetes master and DGX A100 worker node are housed within a mini-cloud network.

HOG: Shri Atanu Das, DDG & SIO, Scientist-G HOD: Shri Sarat Chandra Dhara, Scientist-F

Project Coordinator: Shri Sandip Pramanik, Scientist-D

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NICNET

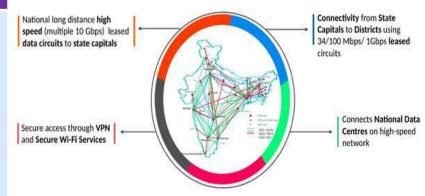
Internet & Intranet Backbone for Government Machinery



Highlight of the **Project**

The National Informatics Centre (NIC) has established robust Information and Communication Technology (ICT) network known as NICNET, which connects all Central and State Government Ministries. Departments. Union Territories, and District administrations across India. NICNET has played a key role in driving eacross multiple Governance levels of government, improving transparency, efficiency, and accountability. In West Bengal, NICNET has been operational since 2003, connecting over 320 government offices and serving as the primary backbone for data sharing within the state government. The network also facilitates fast access to various services through peering with BSNL, PGCIL, Railtel, and international content delivery networks like Google, Microsoft, and Akamai.

URL: https://www.nic.in/service/nicnet/



CONNECTIVITY HIGHLIGHT (Priority Links)



District Headquarters



Central & State Offices



SWAN Migration with DHQ

EMPANNALED TSPS

BSNL

RAILTEL

PGCIL

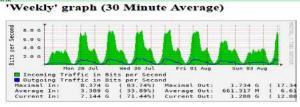
ISO Certified Infrastructure



ISO 27001:2022

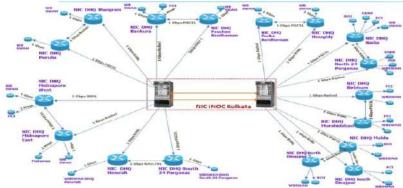
UTLISATION MONITORING

** This is a sample snapshot of random





West Bengal District Network Details



TECHNICAL SUPPORT (Ticket

Statistics)















Ticket Count during 01-06-2024 to 21-08-2025 On Service **Desk Portal:** https://servicedesk.nic.in/

Project Coordinator:

HoD:

Dipankar Sarkar, Senior Director(IT)

Dipankar Sarkar, Senior Director(IT)

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dipankar.sarkar@nic.in

http://wb.nic.in

National Informatics Centre. West Bengal iNOC Centre



VIDEO CONFERENCING SERVICES (PRAGATI)



Highlights

URL: https://reserve.nic.in

NIC West Bengal Video Conferencing facility plays a vital role in supporting the hierarchical departments of the Government of West Bengal i.e. Governor, Chief Minister Office, Chief Secretary Office, Council of Ministers, Departments, Secretariat, Directorate, District Administration, Co-District Commissioner Office, Block and Panchayat Level.

In August '2025, total 64 No. of VCs has been conducted where 181 sites participated with 240 studio hours.

Out of 64 VCs, we have conducted 28 VCs on Bharat VC platform where 234 participants joined through link.

Additionally, Cabinet Secretary 01 VC, Secretary Govt of India - 06 No of VCs has been conducted successfully.

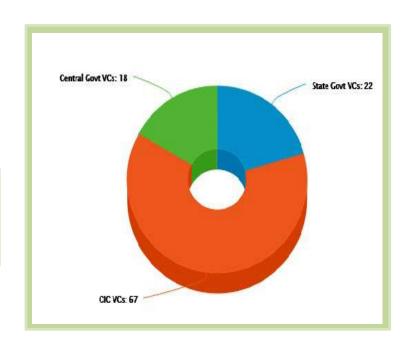
A total of 95 VCs has been conducted successfully through Polycom RMX and CMS. In link based VC i.e 50 VCs we used Bharat VC platform.

	No of VC meetings	Studio hours	Site Participated
VC meetings of State Govt.	10	191	104
VC meetings of Central Govt.	12	36	22
VC meetings of CIC	42	13	55
Total	64	240	181

THIS MONTH'S UTILIZATION SUMMARY

64	240	181	4
No of VC Meeting	Studio hours	Site Participants	Important VC

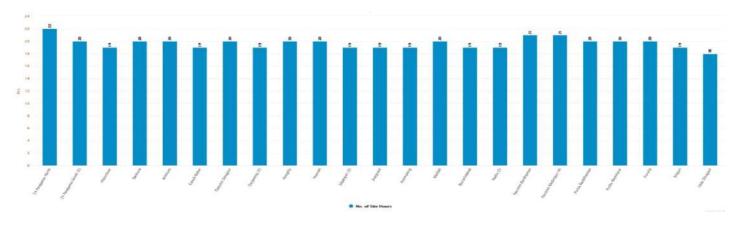
Total VC Meeting of West Bengal



District wise Chart:

HoD:

ordinator:



Project Dipankar Sarkar, Senior Director(IT)

Dipankar Sarkar, Senior Director(IT)

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dipankar.sarkar@nic.in

National Informatics Centre, West Bengal iNOC Centre

https://wb.nic.in



National Knowledge Network (NKN)



Highlight of the **Project**

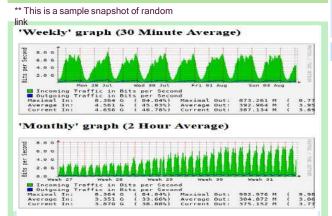
The National Knowledge Network (NKN) project is designed to create a secure and reliable high-speed network across India, connecting universities, research institutions, and healthcare and agricultural institutions. In West Bengal, NKN has been operational since 2010, linking 91 premier educational and research organizations, including IIT Kharagpur and AIIMS Kalyani, IIM Kolkata, VECC, SINP, ISI to facilitate knowledge sharing, collaborative research, and advanced distance education. NKN Kolkata has maintained zero central downtime since its inception, and it connects to other states via 21 core links with 10/2.5 Gbps bandwidth.

State-of-the-Art NKN Central Super Core PoP at West Bengal with a total 187.5 Gbps backbone bandwidth with High Availability (HA) and ISO Compliant infrastructure backed up by proper power backup.

24X7 TECHNICAL SUPPORT



UTLISATION MONITORING

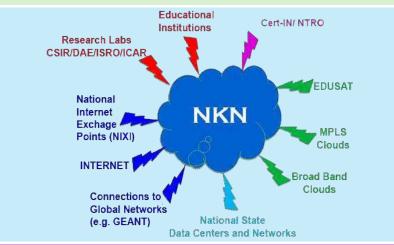


Co-ordinator:

Dipankar Sarkar, Senior Director(IT)

Dipankar Sarkar, Senior Director(IT)

URL: https://nkn.gov.in



SALIENT FEATURES

Knowledge and information sharing

Collaborative Research in emerging areas

Distance **Education in** specialized fields

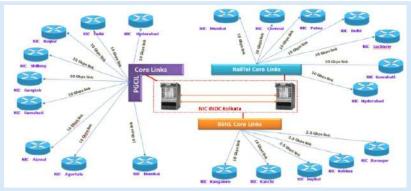
Fgovernance backbone for information sharing

EMPANELLED TSPS



RAILTEI

West Bengal Core Network Details



Major NKN Institute User Count

Indian Institute of Technology (IIT), Kharagpur: 12,000+ users

All India Institute of Medical Sciences (AIIMS), Kalyani: 3,000+ users

Indian Statistical Institute, Kolkata: 2,000+ users

All Medical Colleges of West Bengal: 7,000+

users All University of West Bengal: 13,000+

users

Variable Energy Cyclotron Centre (VECC), Kolkata: 2,500+ users

Saha Institute of Nuclear Physics(SINP), Kolkata: 1,000+ users

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https://wb.nic.in

National Informatics Centre, West Bengal iNOC Centre 81

West Bengal District project District: DARJEELING, JULY 2025

Darjeeling District website

Highlights

Darjeeling District is the northernmost district of the state of West Bengal in eastern India in the foothills of the Himalayas, in the eastern Sivalik Hills. The district is famous for its hill station, Darjeeling tea and tourism. Darjeeling, Kurseong, Siliguri and Mirik, major towns in the district, are the subdivisional headquarters of the district. The district shares international borders with Nepal and Bangladesh. The economy of Darjeeling hill area depends on **tourism**, tea production, horticulture, agriculture and forestry.

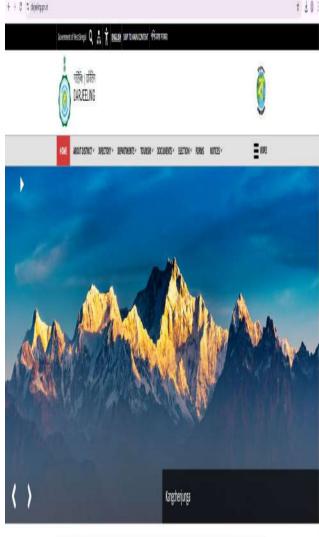
District Specific Activities

- District Website updated regularly (S3WAAS).
- E-office support to users of District Administration.(along with Siliguri municipal corporation)
- •Technical support for Email Creation/Update along with support for DA Admin Console.
- Provided consultancy & ICT Support to District Administration
- •Active VC Support Given to DM Office for NIC VC, Bharat VC and others VC Platforms (Google Meet. Zoom, Webex etc.)
- •Provided Support to GTA in e-Office and email related activity.
- •Support for flagship schemes: Jai Bangla,Lakshmir Bhandar, Duare Sarkar, Kanyashree etc.
- Support for e-Tendering & e-Auction systems.
- •Given support to district for Election related activities/BLO etc.
- IRAD Technical Support and Trainings to Police Stations and other stakeholders.
- Helped district administration in implementing Amader Para Amader Samadhan (APAS) and worked as member of District Task Force.
- Participated in Agricultural Census Meeting as a member of District Level Committee.
- · Meeting with District Judge for various issues.
- •NICNET Support:
 - 1. 220 nodes at Office of the District Magistrate, Darieeling
 - 2. Office of the Jalapahar Cantonment Board (Ministry of Defence, DGDE)
 - 3. Office of the Lebong Cantonment Board (Ministry of Defence, DGDE)

<u>Contribution in State project:</u> e-Panchayet Project (PRISM ID: 3661)

Implemented Redis Security by using client side (.NET Core API Client) encryption and decryption of data using AES (128 bit) (Encryption at rest)

https://darjeeling.gov. in/





Summary/Training:

- Training given to Civil Defense .staffs for VC operations regarding.
- Participated in DevSecOps, EMMS 2.0, NAPIX & APISIX, Docker Kubernetes trainings.

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E-mail: wbdil@nic.in

E-mail: dia-darjeeling@nic.in

SIO: Shri Atanu Das

DIO: Shri Sankalpa Roy DIA: Shri Rahul Singhal



Project name with Logo Highlights Introduction:

Impact:

Technology used : Technology used

Use symbols + names

Key features(Graph/Image)

Statistical Figures/Integrations

(Use Statistics of this month only)

Regular Activities

Attended VC on DevSecOps, Containers, Project management and other technical Trainings. 3 VCs for ECI, 7 VCs for CIC.

District specific activities

Created an Android App POC for helping citizens to find room no by entering services in DM Office building. Explained it to ADM-IT. No further response from district as of now.

Contribution in State project

NIL

URL:

PRISM ID(if any):

IMAGE(Web portal and Mobile App)

Graphical representation

Rate by citizen / Recent activities

Summary/Training

IRAD Training and Doubt Clearance by DRM: -

10/07/2025 - Training at Ranaghat PD Traffic.

14/07/2025 - Co-ordination with Krishnagar RTO MVI.

16/07/2025 - Training at Ranaghat PD SP Office.

31/07/2025 - Co-ordination with Chakdaha PS.

Implementation/Benefits to Citizen

Attended CAA District Level Committee meeting on 17thJuly for Document Verification of Candidates.

Awards and achievements

Awards received in this month only.

Description + Image

DIA: Anupam Roy E-mail: wbnda@nic.in, dia-nadia@nic.in

SIO: Shri Atanu Das E-mail: sio-wb@nic.in

West Bengal District Project District: (UTTAR DINAJPUR), JULY 2025



https://uttardinajpur.gov.in/

District Informatics Officer (DIO), ICT consultant and District level Coordinator of several Projects (G2G,G2C, G2E,G2B) across Sectors and spread over 100 locations running successfully:-

Project :- Impact :-

❖ iRAD/eDAR : 737 accident cases

captured till date.

❖eProsecution : 14115 Court Cases

registered under this project.

♦ eOffice : Users : 430

Transactions: 54097

❖ Arms License Issuance System: approx. 1500 Gun

License data dizitalized.

❖ Vahan-Sarathi :

42,55,54 vehicles have been registered.

❖IVFRT : Indian & Foreigner

data Arrival: 26587 , Exit:26709 Jaybangla portal, Laxmir Bhandar

Duare Sarkar Camps, Kanyashree : Lacs of citizen

getting services at their door step.

❖Online Hostel Application Portal : 1993

Student got Hostel accommodation.

(https://hostel.dmud.in)

❖eForms, eMails : 340 email created

under uttardinajpur.gov.in,

bulk email creation and profile

updation.

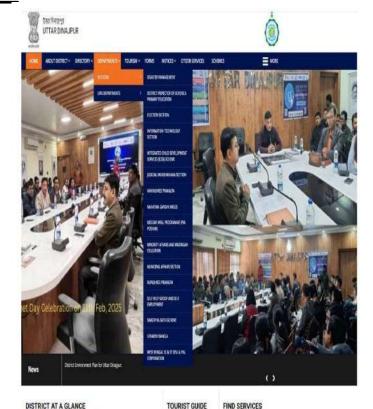
❖ Campus LAN : approx. 300 nodes are connected and network traffic is being transferred through our NIC Router as Primary Link. High bandwidth of NICNET is utilized to

cater seamless Internet service to whole campus network thus provide better governance.

❖Other eGov Projects like OSCAR, Mplads, GEM, eProcurement, Recruitment, Election,

Amader Para Amader Samadhan (APAS), Cyber security/Computer System Audit etc.

❖ Video Conferences arranged: (Total: <u>53</u> during July, 2025)





Training:

- Imparted training iRAD as a part of Road Safety.
- ❖ Aimparted training on online student Hostel booking portal
- ❖ Attended training on WBEMMS V 2.0 on Polling Personnel Database Preparation
- ❖ Attended training on Wb Cyber Security Incident Response Team



District: South 24 Parganas [https://www.s24pgs.gov.in] Month: July, 2025



District Administrative setup

The present district of south 24 Parganas came into existence on 1st March 1986 with five sub divisions viz. Alipore(Sadar), Baruipur, Canning, Diamond Harbour and Kakdwip, 29 Blocks, 7 Municipalities and one Municipal corporation

District Specific Activities

- 1) e-Office is implemented in 84 Departments/Section under District Administration with total 743670 no of e-File moved till date which is highest among the districts of west Bengal.
- 2) Implemented District Official Website in S3WAAS platform with separate webpage for more than 26 departments till date for information regarding details of citizen centric schemes offed by corresponding department.
- 3) Service Plus framework used for digitalization of RTI Case monitoring for Land Acquit ion cases and currently in UAT.
- 4) Necessary technical support provided to various National level e-Governance Project ie. e-Tender, GeM, ICJS, iRAD, email Services, NDAL & ALIS, SPARROW, e-Vahan, e-Sarathi, CAA Portal, e-GramSwaraj Portal, APAS Portal etc.
- 5) Necessary technical support provided to various State Level e-Governance Project ie Jaibangla Portal, Lakkhir Bhandar, OSCAR Portal for issuance of Cast Certificate, Field Inspection and Monitoring & Supervision Portal etc.
- 6) Total 12 nos of Video Conference Session conducted through NIC VC setup
- 7) NICNET services provided to district administration with maximum bandwidth utilization more than 194 Mbps (in) / 52 Mbps (out).

State Project Activities

1) Involved in development of ePanchayet Portal using open source-based tool for Dot Net Core Development environment.

Summery / Training

1) Training conducted on various National and State Level e-Governance initiative ie. E-Tender, GeM, ICJS,APAS Portal, Field Inspection and Monitoring Portal, iRAD etc.



Previous month
Reporting month

West Bengal District project 2025

District: KALIMPONG, JULY

Kalimpong District website

Highlights

Kalimpong is a picturesque hill district in northern West Bengal, nestled in the Eastern Himalayas. Known for its serene landscapes, flower nurseries, Buddhist monasteries, and rich cultural heritage, it offers stunning views of the Kanchenjunga range. The district borders Sikkim and Bhutan and is a center for education, tourism, and horticulture. Kalimpong is also gaining recognition for its eco-tourism and organic farming initiatives.

District Specific Activities

- Official District Website regularly updated (S3WAAS).
- E-office active in all section of district administration with ongoing support.
- Provided consultancy & ICT Support to district Administration.
- Technical help for E-Prosecution, eVahan, Sarathi.NDAL & ALIS
- Support for flagship schemes: Jai Bangla, Lakshmir Bhandar, Duare Sarkar, Kanyashree etc.
- Support for e-Tendering & e-Auction systems.
- Technical support for OBC SC/ST certificate (OSCAR).
- Email Create/Update Technical Support.
- IRAD Technical Support
- Coordination with members of Citizenship Amendment Act (CAA).
- VC Support
- NICNET Support:
 - 1. 18 nodes at Office of the District Magistrate, Kalimpong

Summary/Training

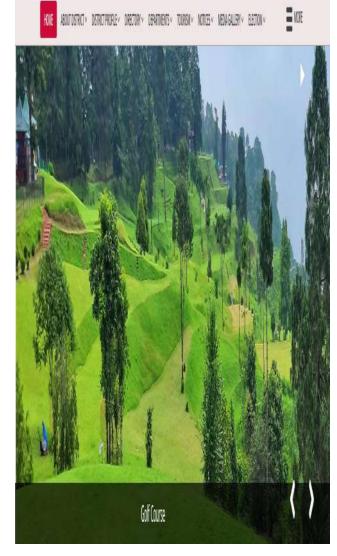
- 1.Regular User Training conducted for new/Changed module.
- 2. Participated in DevSecOps, EMMS 2.0, NAPIX & APISIX, Docker Kubernetes trainings.

<u>Contribution in State project:</u> e-Panchayet Project (PRISM ID: 3661)

Implemented Redis Security by using client side (.NET Core API Client) encryption and decryption of data using AES (128 bit) (Encryption at rest)

https://kalimpong.gov.
in/





SIO: Shri Atanu Das

DIO: Shri Sankalpa Roy (Additional Responsibility)

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E-mail: dio-kpo@nic.in 86

Awards and achievements

Awards received in this month only.

Description + Image

DIO: Ms. Mouli Laha RoyE-mail: dio-bnr@nic.in

SIO: Shri Atanu Das

West Bengal District project JULY 2025

Purba Medinipur District website

Highlights

Purba Medinipur, located in the lower Indo-Gangetic and Eastern coastal plains, features flat alluvial land with an elevation under 10 meters. It has a 65.5 km coastline and key rivers like Rupnarayan, Haldi, Kansabati, and Keleghai supporting irrigation. The district headquarters is Tamluk, an ancient port city. It includes 29 police stations, 25 blocks, 5 municipalities, and 224 gram panchayats. The economy relies on agriculture, fishing, and industry centered around Haldia's port and industrial hub.

District Specific Activities

- Online Puja Permission via Service Plus implemented.
- Official District Website regularly updated (S3WAAS).
- APAS technical Support.
- E-office active in 48 departments with ongoing support.
- •Technical help for GEM, E-Prosecution, eVahan, Sarathi.NDAL & ALIS
- Support for flagship schemes: Jai Bangla, Lakshmir Bhandar, Duare Sarkar, Kanyashree, etc.
- Support for e-Tendering & e-Auction systems.
- Technical support for OBC SC/ST certificate (OSCAR).
- Email Create/Update Technical Support.
- IRAD Technical Support
- VC Support

Summary/Training

- 1.Regular User Training conducted for new/Changed module.
- 2.Improved Process flow explained to user

https://purbamedinipur. gov.in/

District: Purba Medinipur,



