



Information Technology

INFORMATION TECHNOLOGY

With diversification of the ICT landscape and Digital India initiative, it has become absolutely imperative for the Government to bring in qualitative and quantitative transformations in wake of the changing user expectations. In the year 2019-20, Ministry of Coal, along with NIC has striven hard and taken lead towards standardization and improvement in IT working environment and service delivery.

1. NIC COAL Computer Centre in Ministry of Coal is well equipped with latest computer systems for delivering and implementing secure multi-platform computer-based applications/solutions, database support, Internet, Email, network and video conferencing facilities. Ministry of Coal has adopted Cloud services of NIC - Meghraj to ensure optimum utilization of the infrastructure and speed up the development and deployment of e-Governance applications of Ministry of Coal.
2. Single Window Clearance System is the innovative endeavor of the Ministry of coal to create a platform to obtain various clearances for early operationalization of coal mines as well as augmentation of coal production in the country through a single gateway.

Various statutory provisions viz approval of Mining Plan and Mine Closure Plan, Grant of Mining Lease, Environment and Forest Clearances, Wild Life Clearance, Safety, Rehabilitation of project affected families, welfare of workers etc. are pre-requisite for starting of a coal mine.

These clearances are being granted by various Central Ministries and State Government departments/agencies. Some of the clearances have their online portals; still most of the clearances are being given

through offline mode.

In the absence of a unified platform for grant of clearances/approvals for starting of a coal mine, the project proponents are required to approach different administrative Ministries and Government departments separately to apply for the requisite clearances leading to delay in operationalization of coal mines.

All these clearances have different types of applications and procedures. Lack of awareness of project proponents in regards to number of statutory clearances, related applications and procedures for obtaining the same has further aggravated the problem for the project proponent. This has resulted in delay in operationalization of coal mines.

As part of initiative of ease of doing business by the Government of India, the Ministry of Coal has conceptualized a Single Window Clearance System (SWCS) portal, which is proposed to map all the statutory clearances required (covering Central Ministries as well as State Government departments/agencies) for starting of a coal mine. The portal is proposed to map not only the relevant application formats but also map process flow for grant of the approval/clearances.

Single Window Platform is proposed to facilitate project proponent to apply for various clearances through a unified user registration to various Central Ministries as well as to State Government departments/agencies with a feature of auto-fetch provision of data from preceding clearances/approvals. The project is being developed in phase-wise manner where currently phase I development is going on along-with system study of phase II modules of clearances.

Phase-I includes development of User Registration Module, Coal/Lignite Block Module, Exploration Module, Mining Plan Module, Mine Opening Permission and Data integration with “PARIVESH” for Environmental Clearance (EC), Forest Clearance (FC), Consent to Establish, Consent to Operate Wild Life Clearances and Permission for Explosive and Safety organization (PESO) for storage of Explosive.

Following modules have been completed in Phase-I:

- a. Registration Module
- b. Mine Plan Module
- c. Data integration with “PARIVESH” for Environmental Clearance (EC), Forest Clearance (FC), Consent to Establish, Consent to Operate, Wild Life Clearances
- d. Submission of objection on notification u/s 7(1) of CBA and communication of its resolution (part of CCO Module)
- e. Block Module (development completed, UAT is going on)

Phase-II includes Land Acquisition Module, Resettlement and Rehabilitation, Safety Management Plan (with DGMS), River/ Nalla Diversion, Permission under Factories Act, 1948, Labour related permissions, Re-grading of Coal module for CCO, Mining Plan GIS Location Capture and display.

3. Coal Import Monitoring System (CIMS) has been developed for importers to submit advance information in an online system for import of coal items. On submission of online data/information, the system will generate an automatic unique Registration Number.

The CIMS will enable the government to keep a tab on the various categories of coal being imported and help make policy decisions accordingly.

CIMS also has the facility to view earlier online registrations. In addition, incomplete applications which have not been submitted for registration on the DGFT portal are also available in the CIMS for review and further action.

4. The official website of Ministry of Coal – <https://coal.gov.in> is bilingual, user-friendly and provides an easy navigation and quick access to important and latest up-to-date information. A clutter-free responsive design helps the end user to access the site on all handheld devices. The site provides rich updated content such as details of senior officers, organizational setup of the Ministry, subordinate offices links, policies, Monthly Statistical report, Monthly summary/reports/ for Cabinet, data regarding Nominated Authority, annual reports, publications, acts, rules, notifications, policies, Right to Information (RTI) disclosures, latest announcements and letters. The website has been developed under CMF (Common Management Framework), GIGW compliant and certified by STQC. SSL certificate installed on the server to make a secure session with browsers.
5. Coal Projects Monitoring Portal has been successfully implemented in the Ministry. This comprehensive MIS links all stake holders of Coal sector – Industry, Coal Companies, Coal India Limited (CIL), NLC India Limited (NLCIL), State Governments, Ministries/Departments and Ministry of Coal. Coal Projects with their pending issues with various States and / or departments are submitted into the system. These issues are closely monitored, discussed and resolved on this platform thereby eliminating cumulative information seeking and decision-making delays.

6. A web-based online system for monitoring of Coal allocation has been developed and maintained in the Ministry of Coal to monitor the allocation of coal by Coal India Limited (CIL) to States, States to State Nominated Agencies (SNA) and SNA to consumers in a transparent manner. As per New Coal Distribution Policy, 2007 (NCDP) 8 MT coal per annum is earmarked for small and medium sector consumers whose requirement is less than 10,000 tonnes per annum. The sector consists of units like rolling mills, cookery, brick kiln, Refractories, Glass, Engineering Machinery, textile/rayon, paper, soap, leather etc . The system is developed and designed with various rich features to usher in faster decisions, establish transparency and to connect all distant stakeholders together.
7. e-Office a web-based system implemented and maintained for effective online monitoring of movement of files and receipt in the ministry. The e-Office product aims to support governance by ushering in more effective and transparent manner for inter and intra-government processes. It is fully functional in Ministry of Coal. There is no physical file movement in the Ministry. VPN support for senior officials has been extended for non-NICNET nodes / laptops to ensure nonstop working in e-Office Platform. NIC email facility has been provided to all the officials in the Ministry to access the system and necessary operational training is provided to ministry officials from time to time.

The Ministry of Coal was awarded from DARPG for commendable work done in implementation of e-office in the Ministry.
8. Ministry has developed a web portal of Star Rating of Coal Mines to implement a system of self-evaluation of Coal Mines and subsequent reviewed by Reviewer which was appointed by Coal Controller and further validation by Coal Controller's Organization of all Coal Mines under various factors covered broadly in seven modules as follows - (a) Mining Operations related parameters (b) Environment related parameters (c) Adoption of Technologies: Best Mining Practices (d) Economic performance (e) Rehabilitation & Resettlement parameters (f) Worker related Compliance (g) Safety and security related parameters. This portal will be live soon.
9. Koyla Darpan (Coal Dashboard) has been developed to monitor the Coal Production, Offtake etc. on a regular basis. The other items which are included as follows - (a) Coal Exploration (b) Central Sector Schemes (c) Status of Coal Stock in Thermal Power Plants (d) Infrastructure Projects (e) Allocation of Mines (f) Monitoring of Major Coal Mines (g) Coal price.
10. A Coal Task Master portal has been created for real time management of key projects, tasks and activities assigned to different sections of the Ministry of Coal for making effective decisions, tracking, information sharing and cross functional learning.
11. e-HRMS (Human Resource Management System) has been implemented in the Ministry of Coal. Employees of the Ministry will be able to not only see all their details w.r.t service book, leave, etc., but also apply for different kind of claims/reimbursements, loan/advances, leave, leave encashment, LTC advances, Tour etc. on a single platform. Employees shall not be dependent for data updating on administration, but they may themselves update the data with their login subject to verification by concerned administration. They will be able to track