Govt. of Chhattisgarh
Chhattisgarh Infotech Promotion Society

KHANIJ ONLINE
A web based Integrated Mines and Minerals Management System
Chhattisgarh: A Mineral Rich State

- **Carved out** from erstwhile state Madhya Pradesh on 1st Nov. 2000 as 26th state of the union.

  - Occupies ~4% of India's area (1.35 lakh Sq. Km.)
  - Holds ~7% of India's Forest area. (56 thousand Sq. Km.) & ~2% of India's population. (2.55 crores)
  - Encompasses almost 1/5th of resources of important core industrial minerals like Coal & Iron ore
  - Produces ~more than 16% of total value of minerals in India.
  - 3rd in India in terms of value of minerals produced
  - Mining sector contributes more than 10% of State's GVA

To Implement Khanij Online – A web based auto approval and single click multi head payment facility portal for end to end mineral tracking.
Mineral Resources Department: Core Activities

1. **Survey & Exploration of mineral resource in the state**
2. **Core Activities**
3. **Regulation of Mines and Minerals**

- Allocation/Grant of mineral concessions
- To ensure mining operation as per mining plan and Environment Clearance.
- Issuance of Transit Passes for mineral transit
- Assessment and collection of Royalty, DMF, NMET, Surface Rent, Dead Rent, TCS, CESS etc.
- Monitoring and control over mineral transit and unauthorized working
- Compilation, Analysis and Sharing of various data related with mineral production & dispatch
KHANIJ ONLINE: Manual Cumbersome Process
KHANIJ ONLINE: Key Challenges with Manual Process

For Department
► Issuance of physical Transit Passes in bulk quantity was impractical causing huge time, energy and manpower.
► Moreover, high possibility of it's misuse.
► Delay in assessment a main hurdle for factual and timely collection of revenue to the State exchequer.
► Complete absence of Real Time Statistics etc.
► Lack of Transparency of working amongst department and stakeholders.
► Lengthy approval process
► Timely resolution
► Manual data entry is inefficient, redundant and leads to error
► Document Storage

For Stakeholders
► Filing of exhaustive information's on different prescribed formats.
► Payment of Royalty, DMF, NMET etc in 07 different heads/accounts.
► Delay in getting operational permissions.
► Submission of voluminous records for assessment.
► Delay in timely assessment causes blockage of revenue.

For Public in general
► Negative perception over mining operation because of lack of Information & Transparency.
► Want of much needed social license for smooth mining operation.

To over come the challenges and facilitate ease in doing business, Department firmed up to go for ICT intervention.
A web based Integrated Mines and Minerals Management System for effective administration and regulation of mineral resources in the state of Chhattisgarh.

**KHANIJ ONLINE** being a web-based portal, empowers each registered Stakeholders [lessee, licensee, traders, End use plant, vehicle owners, and transporters] including regulatory Govt. officials to act as a center of delivery.

**Objectives**

- Enact IT based SOP
- End to End Tracking of Minerals
- Ease of doing Business
- Simplify Mineral Administration
- Effective realization of Revenue & curb leakages

Launched on **21st June 2017**
KHANIJ ONLINE: Highlights/Spot light

1st of its kind

A Web based Integrated Mines & Minerals Management System

1. AUTO APPROVAL based dispatch provision using digital signature (e-Permit)

2. SINGLE CLICK ONLINE PAYMENT of Royalty, DMF, NMET and transfer of amount in respective accounts/heads in T+1 DAY

3. REAL TIME ASSESSMENT with automatic generation of Demand/Credit note (e-Wallet)
KHANIJ ONLINE: Key Features

"From Anywhere to Anywhere"
No Physical filling of documents required by going to the concerned District Office or Bank.

Apply

1. Integrated MIS Dashboard which helps out the department to take important decisions with respect to monitoring and regulation with real-time information.

2. System generates Bar-coded e-Transit Passes based on system verified validation & e-permit without any intervention of mining department.

3. Handheld Device for Effective Vigilance of Mineral Transportation by the virtue of e-Check post.

4. Robust End to End tracking
It tracks mineral from end-to-end i.e. from source to destination
Effective control over diversion thereby protecting rightful industries.

5. "From Anywhere to Anywhere"
Clearances
- Mining Lease Deed
- Mining Plan & Environ. & SPCB Clearances
- Other Clearances

e-Permit
- Application for e-Permit with Mineral Grade & Quantity
- Single click payment for Royalty, DMF, NMET & CESS etc.

e-Transit Pass
- Self generation at dispatch point
- Only Registered Vehicle and users can take load
- Different transportation modes e.g., Road, Rail, Road-Rail, Conveyor belt, Ropeway, Slurry Pipe, MGR

Surveillance
- Integrated Check Post
- Using Handheld Device
- GPS Tracking

Verification
- Check Gate
- En Route
- Surveillance

Trip Closure
- End Use Plant
- Storage

KHANIJ ONLINE: Process Flow & Advantage

https://khanijonline.cgstate.gov.in
KHANIJ ONLINE: Advantages

Manual Process

- Time Taking Process
- Dependency

4 to 5 Days

Manual Permit (Issuance of Transit Pass Book)

- Separate payment of Royalty, DMF, NMET, TCS and Cess on different banks/heads
- Physical Application to District Mining Office
- Physical verification of statutory compliances/validity By DD/MO of district mining office

Online Process

- Easy Process
- Auto Approval

4 to 5 Mins

1 Mineral Transit Permit

e-Permit Generation

Lessee applies online from anywhere;
- Mineral Name
- Mineral Grade
- Quantity

System calculates the payable

Single click Online Payment

Auto Approval using DSC & e-PERMIT Generated
**KHANIJ ONLINE: e-Permit Process**

**Name of Lessee**
Kedar Agrawal - Area: 9.716

**Address**
C-66, Sector-4, Devendra Nagar

**Grant Order Number**
3-88/96/12/1

**Period of Lease**
20 Years

**Panchayat**
KATHIYA

**Police Station**
KHARORA

**Mineral Name**
Limestone

** Mineral Grade**
Cement

**Quantity**
1000

**Royalty Rate**
160.00

**Total Payable Amount**
229400.00

---

**Calculation**

<table>
<thead>
<tr>
<th>Payable</th>
<th>Payment Amount</th>
<th>Calculation</th>
<th>Head of Account</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royalty</td>
<td>160000.00</td>
<td>160.00 Rs / Unit</td>
<td>0853-102-0277</td>
</tr>
<tr>
<td>DMF</td>
<td>48000.00</td>
<td>30.00 %</td>
<td>35422883601</td>
</tr>
<tr>
<td>NMET</td>
<td>3200.00</td>
<td>2.00 %</td>
<td>35399632312</td>
</tr>
</tbody>
</table>

**Shall be paid separately**

| Environmental Cess   | 7500.00        | 7.50 Rs / Unit | 0029-101-103-00 |
| Infrastructure & Development Cess | 7500.00 | 7.50 Rs / Unit | 0029-101-103-00 |
| TCS                  | 3200.00        | 2.00 %         |                 |

**View Calculation**
KHANIJ ONLINE: e-Permit Process

Payment Mode

PAYMENT SUCCESS..!

Transaction Details

- Applicant Transaction Number: BP72
- Transaction Bank Code: 470
- Payment Transaction ID: 305529697
- Payment Transaction DateTime: 12-03-2017 11:01:05
- Paid Royalty: Rs. 119000.00
- DMF: Rs. 35700.00
- NIMET: Rs. 2380.00
- Total Paid Amount: Rs. 157000.00

For better security use the Online Virtual Keyboard to avoid information theft.

New user? Register Now

Trouble logging in?

We have migrated to a new version of Corporate Internet Banking

Corporate Internet Banking
## KHANIJ ONLINE: e-Permit Generation

### MINERAL RESOURCES DEPARTMENT
**Government of Chhattisgarh**

#### e-Permit for Limestone

<table>
<thead>
<tr>
<th>Mineral Name</th>
<th>Mineral Form</th>
<th>Royalty Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>Not Applicable</td>
<td>-</td>
</tr>
<tr>
<td>Coal</td>
<td>Not Applicable</td>
<td>-</td>
</tr>
<tr>
<td>Coal</td>
<td>Not Applicable</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Lease/License Information:

1. **Village:** PATHRAKUNDI
2. **Tehsil:** Tilda
3. **Panchayat:** KATHIYA
4. **Police Station:** KHARDA
5. **District:** Raipur

#### Lease/License Details:

1. **Address of Leesee/Licensee:** C-66, Sector-4, Devendra Nagar Raipur (C.G.)
2. **Grant Order Number:** 5-85/96/12/1
3. **Grant Order Date:** 11-10-2000
4. **Period of Lease/License:** 20 Years

#### Royalty Details:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royalty</td>
<td>Rs. 400.00</td>
</tr>
<tr>
<td>DMF</td>
<td>Rs. 120.00</td>
</tr>
<tr>
<td>NMET</td>
<td>Rs. 8.00</td>
</tr>
<tr>
<td>Total Online Paid Amount</td>
<td>Rs. 528.00</td>
</tr>
</tbody>
</table>

#### Other Details:

- **Total Online Paid Amount:** Rs. 528.00
- **Shall be paid separately:**
  - Environmental Cess: Rs. 37.50
  - Infrastructure & Development Cess: Rs. 37.50
  - YCS: Rs. 8.00
  - Total: Rs. 83.00

#### User Information:

- Generated By: Kedar Agrawal - Area : 9.716(pathrakund)
- Designation: Leesee
- Generated Date and Time: 02-06-2017 01:47:27 PM
**Manual Process**

- Chances of Diversion
- Difficulty in Tracking

No Buyer Selection

No Tagging of Buyer/Purchaser with transit permit

Manual entry of Buyer/Purchaser

By Mines Owner/ Lessee

**Online Process**

- No Chance of Diversion
- End to End Tracking

**Buyer Selection**

Tag Multiple Buyer with e-Permit (Industry / Stockiest)

Lessee will apply online;

**Tag Transportation Mode**

- Road
- Road Rail
- Inside Railway Siding
- Conveyor Belt
- Ropeway
- EUP
- MGR / Own Wagon
**Manual Process**
- Waiting for transit pass book
- Dependency

4 to 5 Mins.

**Online Process**
- Self Generation
- No Dependency

30 Sec. to 1 Mins.

**Manual Transit Pass**
- All Details filled by dispatch operator
- Possibility of Human Error
- Overwriting
- Deliberate Misuse of TP

**Mineral Transit Pass**
- e-Transit Pass Generation
- Entry of Mineral Weight & Vehicle Selection
- e-Transit Pass Generated
- All vehicle owners & Vehicles are pre registered in KHANIJ ONLINE
**KHANIJ ONLINE: e-Transit Pass Process**

### District (जिला)
- Raipur

### Tehsil/Forest Division (तहसील / वन प्रक्षेप)
- 441100

### Village (सौंदर्य)
- Tilda / Raipur

### Lease Validity From (वैलिडिटी फ्रॉम)
- 17-11-2000

### Mineral (मineral)
- Limestone

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**User needs to fill below information only**

<table>
<thead>
<tr>
<th><strong>Vehicle Owner (वाहन मालिक)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>KAPIL AGRAWAL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Driver Name (वाहन चालक का नाम)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ram Singh</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Driver Contact Number (वाहन चालक का संपर्क नंबर)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>9338221221</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Net Weight (Ton/Cubic Meter) (वजन वेगः टॉन / क्यूबिक मीटर)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>16.00</td>
</tr>
</tbody>
</table>
KHANIJ ONLINE: Advantages

Manual Process

7 to 10 Mins

Manual Verification
All Details filled by check post operator in check post register
Possibility of Human Error and Time taking Process

Online Process

30 Sec. to 1 Mins.

4 Verification of Mineral Transit Pass

Online Verification of e-Transit Pass by Barcode Reader
All Details Fetched
Easy Operation and Less Time Consuming
KHANIJ ONLINE: e-Transit Pass Verification

Can be identified whether original or fake

If connected to network, can be cross checked with the database

Verification at Checkpost using Barcode Reader

En-route checking using Handheld Device

Toll Free No. 1800 233 3767 to get the pass details
KHANIJ ONLINE: Advantages

Manual Process

7 to 10 Mins

- Manual Verification
- All Details entered to receive the mineral
- In Mineral Receiving Register
- Time Consuming
- Chances of Manipulation

Online Process

30 Sec. to 1 Mins.

- Trip Closure @ Licensee / End Use Plant
- All Details Fetched
- Only Update Mineral Qty. Received
- Easy Operation and Less Time Consuming
- No chances of manipulation
KHANIJ ONLINE: Simplifiers to the challenges

**Business Process**
- Transit Pass
- Revenue Assessment
- Statistical Data
- Transparency
- Payments
- Operational Permission
- Perception
- Social license

**Challenge**
- Time Consuming, Duplication
- Manual and Delayed
- Time Consuming
- Physical File for approval
- Royalty, DMF, NMET etc in 07 different heads/accounts
- Delayed and Manual
- Negative due to lack of Information & Transparency.
- Smooth Mining Operation

**Business Process Re-engineered**
- System Generated, Secured with Barcode
- Real time system driven
- Dashboard available on fingertips
- System driven Workflow
- SINGLE CLICK ONLINE PAYMENT
- AUTO APPROVAL using digital signature
- System driven operations eliminated physical approach
- Better perception has paved way
KHANIJ ONLINE: Key Stakeholders

- SECL (South Eastern Coalfields Ltd.)
- N M D C
- BHARAT ALUMINIUM COMPANY LTD.
- SHREE CEMENT LIMITED
- EMAMI CEMENT LIMITED
- SARDA ENERGY & MINERALS LTD.
- NECO Group of Industries
- HINDALCO
- ACC cement
- UltraTech CEMENT
- JK LAKSHMI CEMENT
- Ambuja Cement
- NUVOCO
Silver Award
Excellence in Government Process Re-engining

Khanij Online
Mineral Resources Department, Government of Chhattisgarh

Khanij Online as a web-based portal empowers small and large-scale traders, end users, industry, vehicle owners, and registered service providers. It is the Centre of Delivery. The core objective of this project is to improve the entire process of mines and minerals system in the State.

Key features of the project are:
- Online auto-approval for daily discharge Certificate
- Online control on mineral production and environment clearance figures
- Single Click online payment for Royalty, Dividend, etc.
- Real-time Assessment with e-wallet facility
- Online registration for truck transporter and vehicle owner or transporter etc., whoever is related to the mines and minerals in the State of Chhattisgarh as we...

Beneficiary of the project: Each individual who is related to the mines and minerals in the State of Chhattisgarh.

CONTACT DETAILS
Secretary, Mineral Resources Department, Manirakaya, Mahanadi Bhawan, Aish Nagar, Raipur, Chhattisgarh 492002
Mobile: 9425281801
Email: subodh2001@hotmail.com
KHANIJ ONLINE: Achievement

Department of Administrative Reforms & Public Grievances
Government of India

is pleased to present
National Award for e-Governance, 2018-19
(Silver)
to
KHANIJ Online
of
Mineral Resources Department, Chhattisgarh
for
Excellence in Government Process Re-engineering for Digital Transformation

President, K. V. Saxena
Chief Secretary, Secretary
KHANIJ ONLINE: Visitors - Republic of Kenya
KHANIJ ONLINE: Visitors - Meghalaya, India
Khanij Online 2.0

Objectives

- Mineral Vehicle Tracking System
- Integrated Command Control Center
- Handshaking with other Govt. Depts. like Railway, RTO, IBM, Commercial Tax etc..
- Mobile & Desktop App for all users
- Ensuring 24*7 service availability through Cloud based infrastructure
GPS Vehicle Tracking System

GPS Satellite

GPS Server
- Location received by GPS Server via GPRS
  - View actual location through Google Earth.
  - Follow or track vehicle.
  - Location information made available via PC.
  - View travel history.
  - Alarms and Reports.

GSM Cellular Network
- Location Sent via GPRS

Mobile Phone
- Send vehicle status inquiry and command
- Get coordinates

Get vehicle status via SMS

Truck with GPS Tracking System
- Location Defined by GPS Network
Khanij Online 2.0: Integrated Command Control Centre
ONBOARD

Lessee

Licensee

End Use Plants

Vehicles

Digital Library

Major Stakeholders

Registered

Vehicle Owners Registered

Vehicles Registered

164

203

3,597

34,484 | 75,093

KHANIJ ONLINE

Go Live – 21.06.2017

ONBOARD

Lessee

Licensee

End Use Plants

Vehicles

Digital Library

Major Stakeholders

Registered

Vehicle Owners Registered

Vehicles Registered

164

203

3,597

34,484 | 75,093

KhaniJ Online

https://khanijonline.cgstate.gov.in

10,000+ E-Permit Generated

1 million+ e-Transit Pass

200+ million tonne Mineral Transported

Revenue in cr.

TRANSACTION STATUS

ONBOARD

https://khanijonline.cgstate.gov.in

11,419.92

3,346.85

227.19

15.16

102.35

223.09

-2,000.00

4,000.00

6,000.00

8,000.00

10,000.00

12,000.00

Royalty

DMF

NMEP

Vehicle Registration Fees

Monthly Periodic Amount

Infrastructure & Development...

Environmental cess
Thank You

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Chhattisgarh - 492001
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