

भारत सरकार GOVERNMENT OF INDIA  
रेल मंत्रालय MINISTRY OF RAILWAYS  
(रेलवे बोर्ड RAILWAY BOARD)

No.TC-I/2020/101/Ironore (3319155)

New Delhi, dt.17.08.2021

CAO/FOIS  
Camp: CRIS  
Chanakyapuri  
New Delhi-21

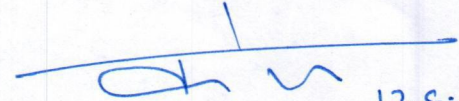
**Sub: Integration of CHiMMS with FOIS for e-RD in case of Iron Ore traffic and its beneficiated product.**

Ref: Rates Master Circular/e-RD/2019/0 and its Addendum dt.03.04.2020

Please find enclosed herewith a copy of SECR letter No.C/SECR/TMS/e-RD dt.13.08.2021 wherein Railway has requested for provision of interface between FOIS & Khanij Online system (CHiMMS) of Chattisgarh state.

FOIS is requested to take appropriate action as per extant guidelines in coordination with Zonal Railways.

DA: as above



17.8.21

(Barjesh Dharmani)  
Executive Director, Traffic Commercial(Rates)  
Railway Board

Copy to:  
GM(FOIS)/CRIS  
CCM(FS)/SECR



दक्षिण पूर्व मध्य रेलवे  
SOUTH EAST CENTRAL RAILWAY

Office of the  
Principal Chief Commercial Manager  
Bilaspur, date 13.08.2021

No. C/SECR/TMS/e-RD/

To,  
Executive Director Traffic Commercial (Rates)  
Railway Board, Rail Bhawan  
New Delhi - 110001

Sub:- Integration of Khanij Online (CHiMMS) with FOIS for e-RD of Iron Ore traffic and its beneficiated product.

Ref:- i) Addendum to RMC/e-RD/2019/0 dated 03.04.2020.

ii) Sr DCM/R Letter no. COM/SECR/Raipur/Goods/Mining/Online-RTP/2021 dated 28.06.2021

As per letter under reference (i), Rail Transit Permit (RTP) issued by State Government mining department is required to be uploaded by the customer in the system at the time of electronic registration for Iron Ore traffic demand and its Beneficiated product. The facility of interface is already incorporated in FOIS with i3MS and JIMMS for online transmission of RTP for Odisha and Jharkhand state, similar facility be enabled for Chhattisgarh also.

In letter under reference no. (ii), Raipur division has approached the Mining department of Chhattisgarh (CG) state to develop the interface between FOIS and CG state mining portal for online transmission of Rail Transit Permit (RTP). In reply CG state mining department has approached Raipur division to arrange the technical session with FOIS official for better understanding of modalities and the strategy for interface between FOIS and Khanij Online (CHiMMS) for online transmission of RTP in FOIS portal like i3MS and JIMMS.

It is therefore, requested to arrange provision of interface between FOIS & Khanij Online (CHiMMS) for online transmission of RTP in e-demand module like i3MS and JIMMS.

Encl:- Copy of CHiMMS application procedure.

Signed by S.m. Gondane

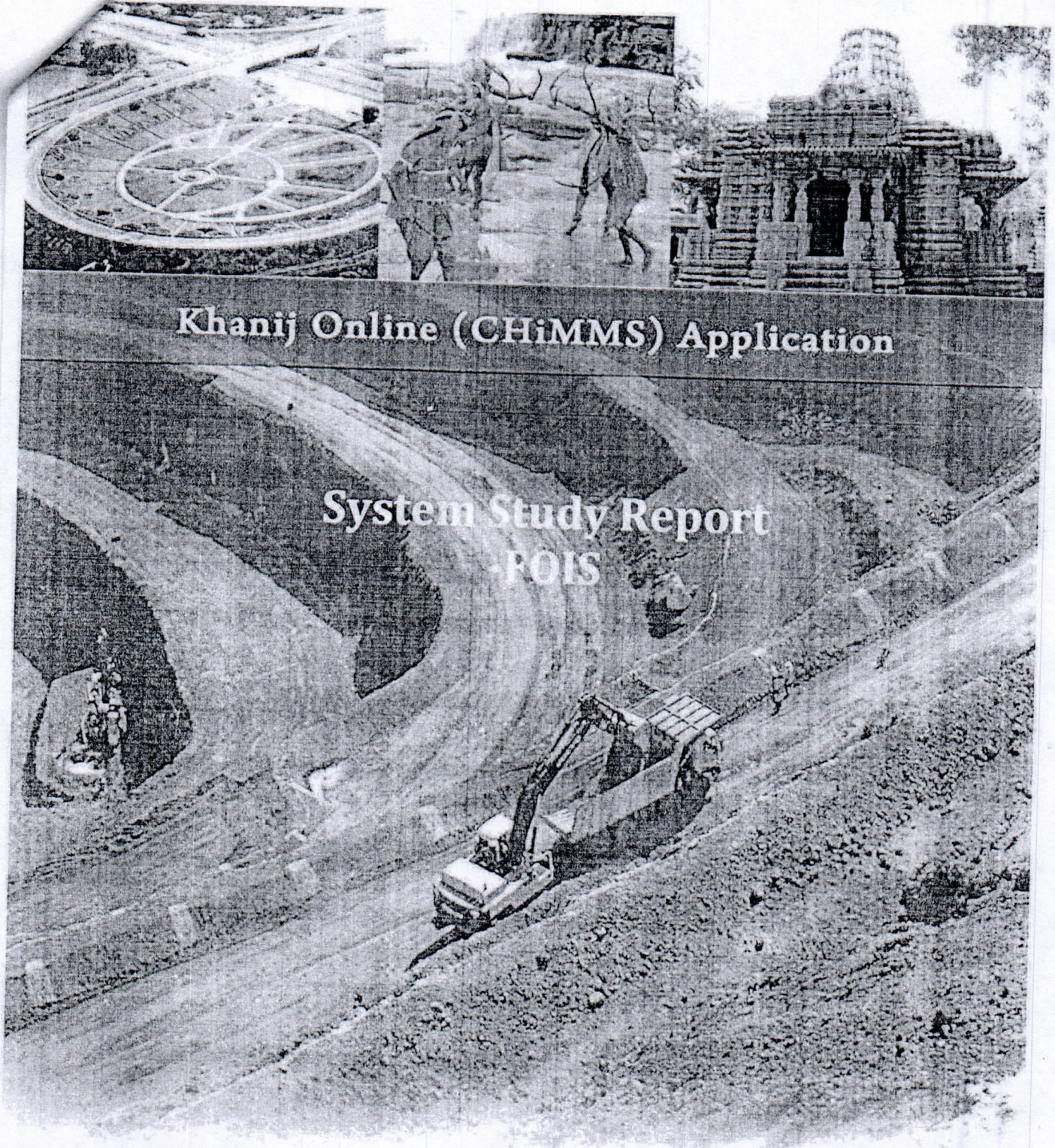
Date: 13-08-2021 16:31:35

Reason: Approved  
(S M Gondane)

Chief Commercial Manager(FS)  
South East Central Railway, Bilaspur

Copy to:- i) Dy CPM(FOIS)/NDLS for kind information and necessary action pl.  
ii) Sr DCM/R & BSP for kind information and necessary action  
please.






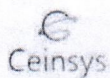
## Khanij Online (CHiMMS) Application

### System Study Report - FOIS



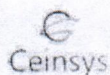
 **CSM** InfoTrack  
Ceinsys Tecn Ltd





REVISION HISTORY			
REV	Description of Change	Author	Effective Date
0.1	Creation of the Document	Amarendra Ratha	26-Feb-2021
0.2	Reviewed	Lal Choudhary	8-Mar-2021
		Abhijeet Varma	09-Mar-2021
1	Approved		

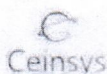




## Contents

1	Introduction .....	4
2	Participants .....	4
3	Current Working Systems (As-Is Processes) .....	4
3.1	Common Process .....	4
3.2	Process for inside railway siding lease area .....	5
3.3	Process for outside railway siding lease area .....	5
4	Case Study .....	6
4.1	Case Study 1: Indent for single consigner .....	6
4.2	Case Study 2: Indent for multiple consigners .....	6
4.3	Case Study 3: Indent for common railway siding .....	7
5	Propose Systems (To-Be Processes) .....	7
5.1	Common Process .....	7
5.2	Process for Road-Rail dispatch .....	8
5.3	Process for Inside-Rail dispatch .....	8
6	Integration with FOIS .....	8





## 1 Introduction

The purpose of System Study document is to define the process of RTP Application issued in Khanij Online Portal. It will be pushed in real time to Freight Operation Information System (FOIS) to validate the consigner & allocate Rake for mineral dispatch.

## 2 Participants

1. Mr. Abhijeet Varma, Ceinsys
2. Mr. Amarendra Ratha, CSM
3. Mr. Miniketan Sao Ceinsys
4. Shri Dr. Dinesh Mishra, (Mining officer)
5. Mr. Anil Kumar Sahu (AMO)
6. Mr. Rahul Gulati (MI)

**Location:** District Mining Office, Bilaspur, Chhattisgarh

**Date:** 25-Feb-2021

## 3 Current Working Systems (As-Is Processes)

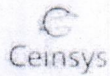
### 3.1 Common Process

- Consigner apply permit in portal and generate e-Permit.
- Consigner add Purchaser Consignee and Transportation Mode (i.e. Road-Rail or Inside Railway Siding).
- Consigner manually request to railway for rack indent.
- After confirmation of indent from railway, Consigner got the EDRM/eDemand copy.
- Based on EDRM/eDemand copy consigner apply RTP application to the portal.

#### 1. To generate RTP Application the following information are required-

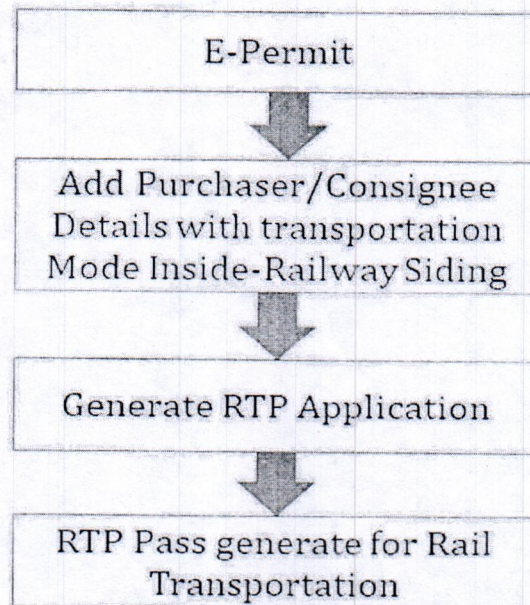
- e-Permit Number
- Mineral Receiver
- EDRM Number
- EDRM Date
- EDRM Copy
- Quantity of Mineral in EDRM
- Quantity of Mineral to be dispatched from railway siding
- Provide source and destination of railway siding





### 3.2 Process for inside railway siding lease area

The Consigner generate the RTP Pass against RTP application for each rack. Use option "**print and continue**" if consigner want to generate more than one RTP pass otherwise use "**print and close**" option to generate a single RTP Pass against same RTP application.

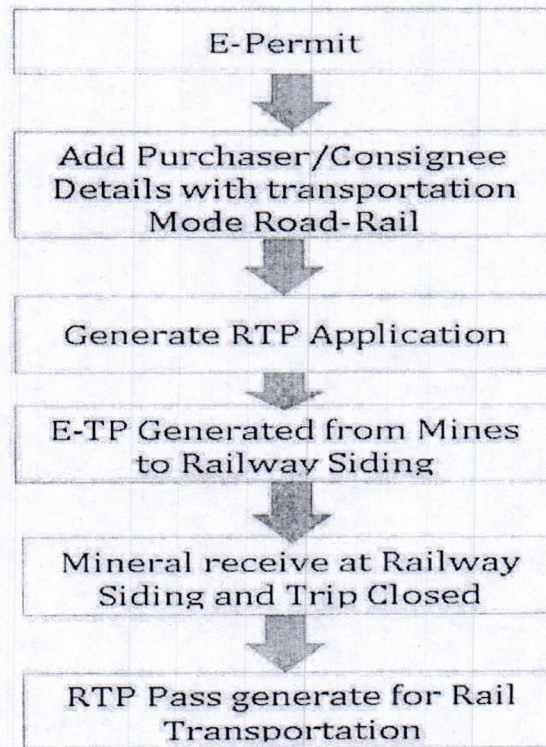
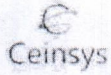


### 3.3 Process for outside railway siding lease area

The Consigner generate the eTP for transportation from mines to railways side. Provision for either consigner or consignee can generate/close the RTP Application. Mineral received at railway side and close the trips.

From generated RTP application first trips got closed then generate a RTP pass against closed trips. Use option "**print and continue**" if consigner want to generate more than one RTP pass otherwise use "**print and close**" option to generate a single RTP Pass against same RTP application.

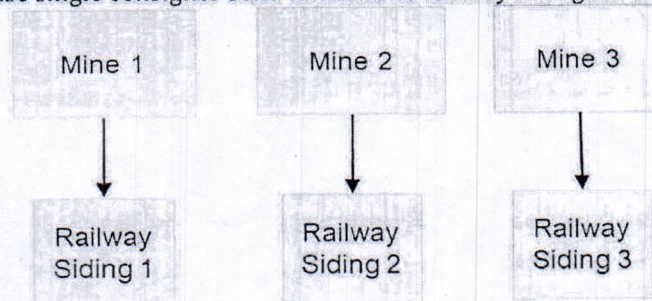




#### 4 Case Study

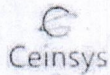
##### 4.1 Case Study 1: Indent for single consigner

In this case single consigner send minerals to railway siding for dispatch mineral by rail.

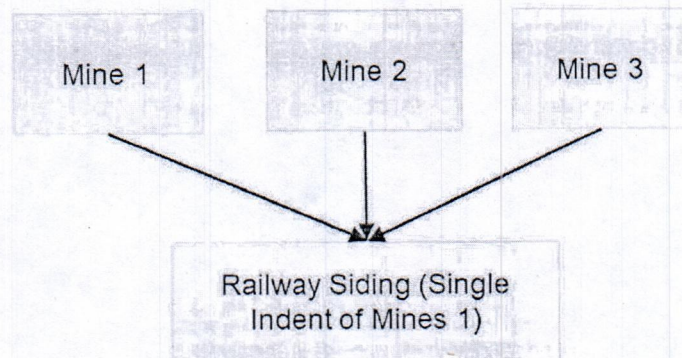


##### 4.2 Case Study 2: Indent for multiple consigners



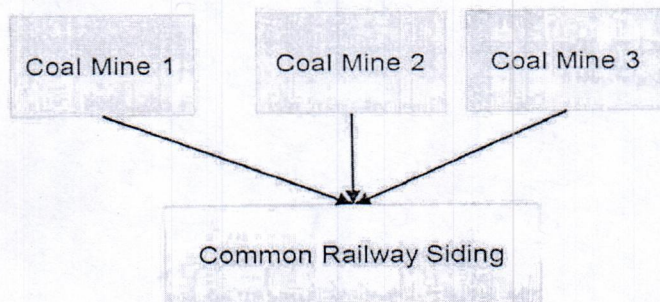


In this case different dolomite lessee send minerals to a railway siding to dispatch minerals by rail. However the indent can be placed by any lessee.



#### 4.3 Case Study 3: Indent for common railway siding

In this case different coal lessees of a single company send coal to the common railway siding for dispatch minerals by rail.

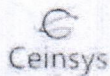


## 5 Propose Systems (To-Be Processes)

### 5.1 Common Process

- Consigner apply permit in portal and generate e-Permit.
- Consigner add Purchaser Consignee and Transportation Mode (i.e. Road-Rail or Inside Railway Siding).
- Consigner apply and generate RTP Application with the following information-
  - Permit Number
  - Quantity allow for Rail
  - Loading Station Code
  - Destination Station Code





- Consignor FOIS Code
- Consignee FOIS Code
- Consigner confirm the request for rail indent.  
The above mentioned information along with a unique number will send to FOIS.

### 5.2 Process for Road-Rail dispatch

- Generate eTP for transportation from mines to railway siding
- Receive minerals and close the trips at railway siding.
- Generate RTP Pass for rail transportation.
- FOIS will send the RR Number with dispatch quantity against the unique number share with FOIS.

### 5.3 Process for Inside-Rail dispatch

- Generate RTP Pass for rail transportation.
- FOIS will send the RR (railway Receipt) Number with dispatch quantity against the unique number share with FOIS.

## 6 Integration with FOIS

The integration process document has been shared by FIOS team containing information about the process of integration. It has been mentioned that the integration approach will be same as it is done with i3MS (Odisha) and JIMMS (Jharkhand).

For further integration the KO portal with FIOS system, the technical team of both system integrators have to discuss and design the integration design document. Both system integrators have to agree on service name, method and pay-load to exchange the data between two systems.

(Fig. System Integration Architecture)



Ceinsys

CSM  
InfoTrack

