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राष्ट्रीय सूचना विज्ञान केंद्र
National Informatics Centre



Indian Bureau of Mines

User Manual
For
Mining Plan (MPAS)
For Applicants

Prepared By:



Central Projects
Software Development and Training
Centre (SDTC), Nagpur
National Informatics Centre
Ministry of Electronics & Information Technology
Government of India

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Login by Mine Owner

URL: https://miningplan.ibm.gov.in/MINING_PLAN/ .

- For Miner Ownerlogin, click on the “Miner Owner” tab from the homepage.

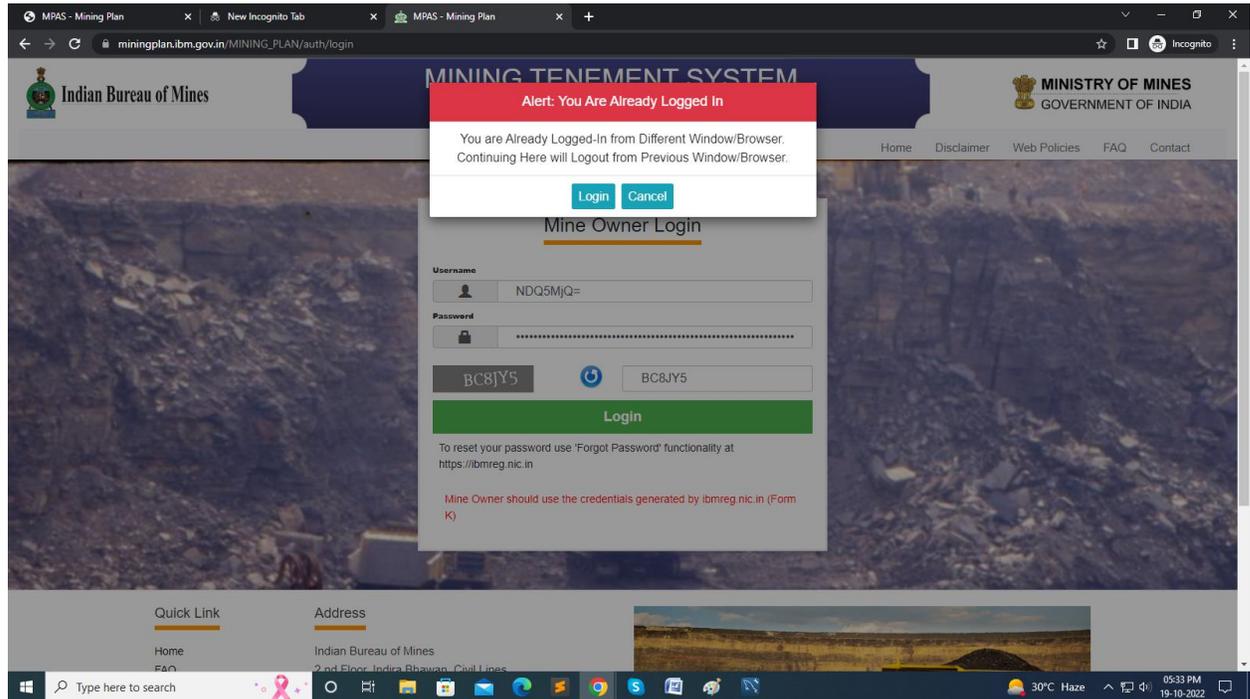


- 1) After clicking on the “Miner Owner” tab login page will be open.
- 2) Enter the User name, Password and Captcha and click on Login Button.

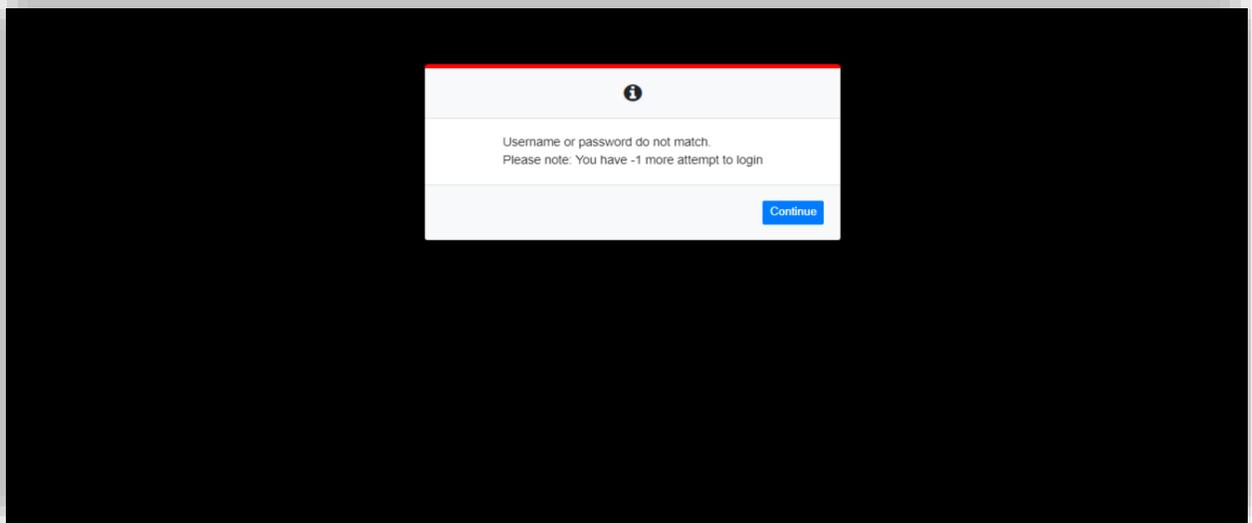




- 3) If already logged in from a different browser or tab then it will show an alert message **“You are Already Logged-In from a Different Window/Browser. Continuing Here will Logout from Previous Window/Browser.”** Otherwise, the alert message will not appear.
- 4) Click **Login** for continue or **Cancel** to cancel login.



- If the captcha did not match then show an error message as well as the username and password is not match with existing data then also shows an error message.



- 5) After successfully login, user will get redirected on the miner's respective dashboard.
- 6) In the dashboard, the application list is listed with **Apply** button.



- 7) Click on **Apply** button, which will open **General Information** form.

1) General Information



General Information consist of 4 sections that are

- 1) Lease Details
- 2) Land Ownership Details



- 3) Existing Details and
- 4) Statutory Compliances.

1.1 Lease Details:

It has a three sections **Lease Details**, **Initial Leasedetails** and **MPSubmissionCriteria**.

- **1.1.1 Lease Details:**

- In this section, some fields are autofilled by Form K Registration module which is not editable they are, IBM Registration Number, Lease Code, Mine Code, Name of Lessee, Address of Lessee, State, District, Tehsil, Village, Lease Area, Name of Mineral, Name of Associate Mineral, Type, Type of Working, Nature of Use, Category of Mine.
- The remaining fields need to fill as per requirement.
- Then click on **Save & Next** button to save the data.

The screenshot displays the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'dummy one Mine Owner'. The main content area shows the 'General Information' section, specifically the '1.1 Lease Details' form. The form contains the following fields and values:

IBM Registration Number:	Lease Code:	Mine Code:	Name of Lessee:
IBM44924/2022	53921701	38MSH475001	dummy one
Address of Lessee:	Type of Lessee :	Name of Mining Lease:	State:
12	Private	DUMMY3	MAHARASHTRA
District:	Tehsil/ Taluk/ Mandal:	Village:	Lease Area (Ha):
GADCHIROLI	Gadchiroli	Nagveli	100
Forest Area (Ha):	Name of Minerals:	Name of associated minerals:	Type:
0.0000	LIMESTONE	LIMESHELL	Existing lease
Five Year Block (FY) From:	Five Year Block (FY) To:	Type of working:	Nature of Use:
2022 - 23	2023 - 24	Opencast	Non Captive
Category of Mine:			
Category A			

- If the section is already saved then the **Update** button will show instead of **Save & Next**.
- Click the **Update** or **Save & Next** button, which will validate data before saving.

PLAN/introleasedetails/leasedetails

miningplan.ibm.gov.in says

Ensured that all details were correct before submitting the form?

GADCHIROLI	Gadchiroli	Nagweli	100
Forest Area (Ha):	Name of Minerals:	Name of associated minerals:	Type
<input type="text" value="0.0000"/>	LIMESTONE	Associate Minerals	Ex
Five Year Block (FY) From:	Five Year Block (FY) To:	Type of working:	Natu

- Click on **Ok**, saves data and redirect to next window.

leasedetails/leasedetails

MINING TENEMENT SYSTEM

Lease Details Section Successfully Updated!

Continue

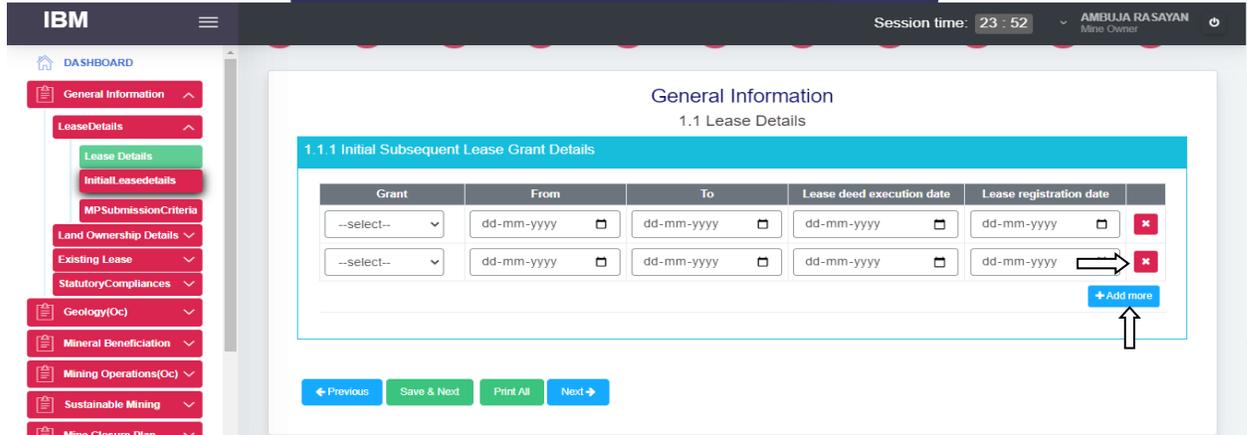
General Information

1.1 Lease Details

3M Registration Number:	Lease Code:	Mine Code:
IBM/44924/2022	53921701	38MSH475001

1.1.2 Initial Lease Details:

- Select Grant from the dropdown, add from date to date, lease execution date, and lease registration date.
- For more than one row, click on **Add More** Button.
- If the section is already saved then **Update** will show instead of **Save & Next** button.
- To delete a row click on **the Cross** button, when a single row remains cross button will be disable.



IBM

Session time: 23 : 52

AMBUJA RASAYAN
Mine Owner

DASHBOARD

General Information

LeaseDetails

Lease Details

Initial Leasedetails

MPSubmissionCriteria

Land Ownership Details

Existing Lease

StatutoryCompliances

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

Mine Closure Plan

General Information

1.1 Lease Details

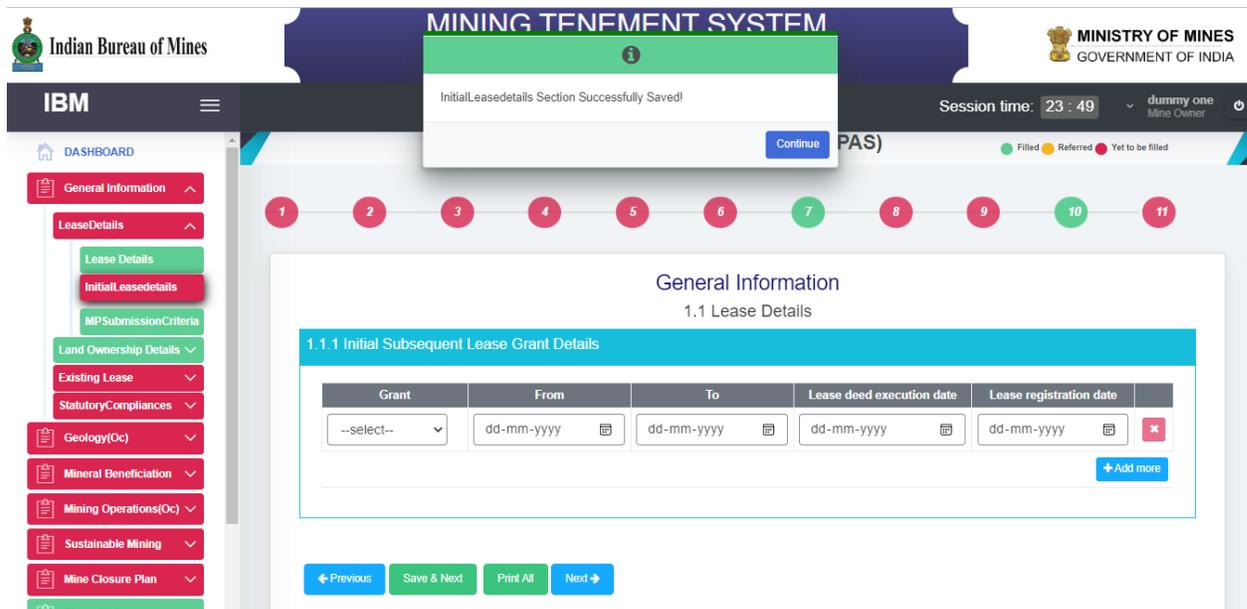
1.1.1 Initial Subsequent Lease Grant Details

Grant	From	To	Lease deed execution date	Lease registration date
--select--	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy
--select--	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy

+ Add more

Previous Save & Next Print All Next

- Click on **Save & Next** button to save data and redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 49

dummy one
Mine Owner

DASHBOARD

General Information

LeaseDetails

Lease Details

Initial Leasedetails

MPSubmissionCriteria

Land Ownership Details

Existing Lease

StatutoryCompliances

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

Mine Closure Plan

Initial Leasedetails Section Successfully Saved!

Continue

1 2 3 4 5 6 7 8 9 10 11

General Information

1.1 Lease Details

1.1.1 Initial Subsequent Lease Grant Details

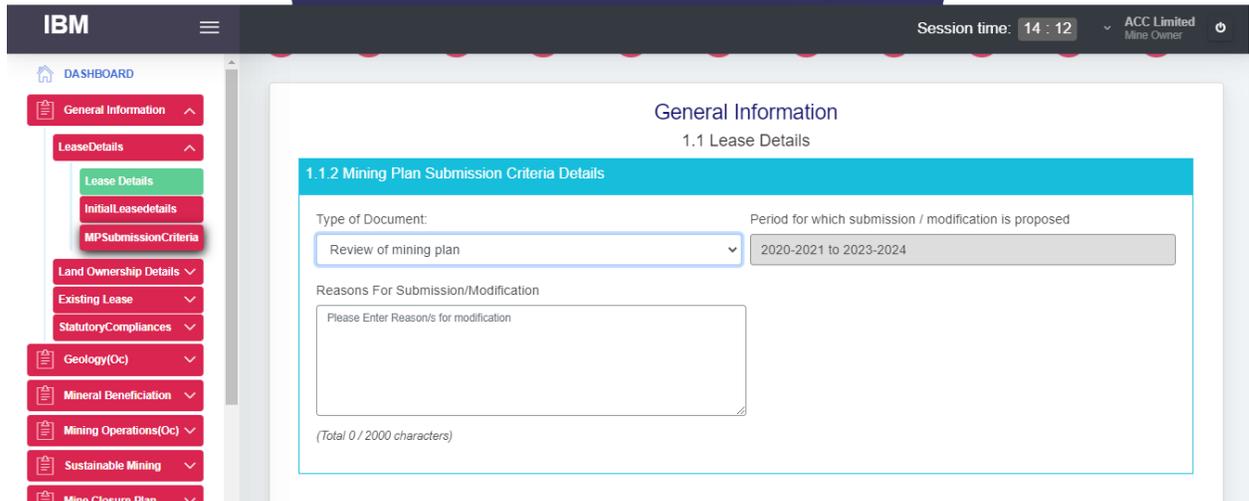
Grant	From	To	Lease deed execution date	Lease registration date
--select--	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy

+ Add more

Previous Save & Next Print All Next

1.1.3 MPSubmissionCriteria:

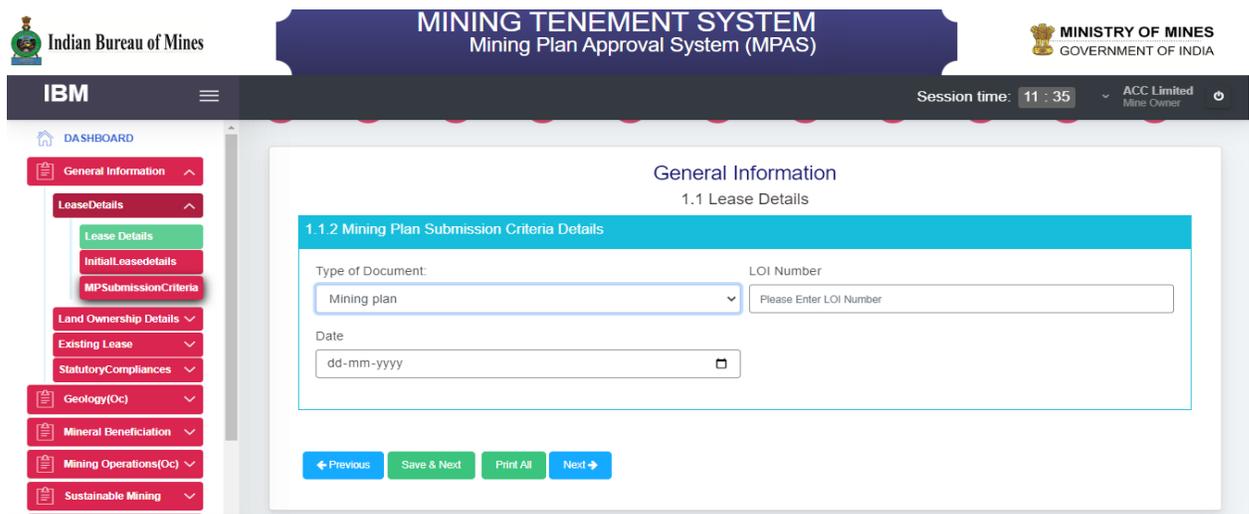
- Select **Type of Document** from dropdown, if selected options are
 - Review of Mining Plan
 - Modification of RMP
 - Modification Mining Plan



The screenshot shows the 'General Information' section of the 'Mining Plan Approval System (MPAS)'. The '1.1 Lease Details' section is active, and the '1.1.2 Mining Plan Submission Criteria Details' form is displayed. The form includes a dropdown menu for 'Type of Document' with 'Review of mining plan' selected, and a text field for 'Period for which submission / modification is proposed' with '2020-2021 to 2023-2024' entered. Below these is a text area for 'Reasons For Submission/Modification' with a character limit of 2000. The left sidebar shows a navigation menu with 'MPSubmissionCriteria' highlighted. The top header includes the IBM logo, session time (14:12), and user role (ACC Limited Mine Owner).

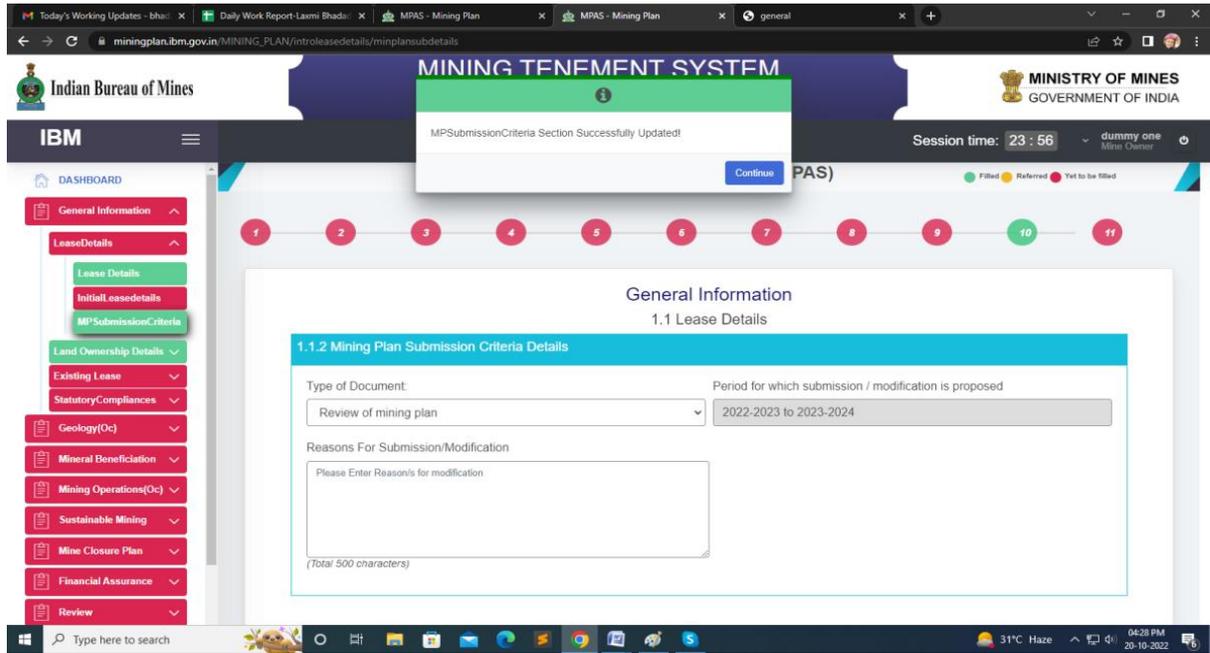
This screen will appear.

- **Period for which submission / modification is proposed** this is auto filled data is coming from **Lease Detail** section i.e. from fields Five Year block From & Five Year Block To.
- **Reasons for Submission/Modification** add some information in it.
- If selected option is Mining Plan,



The screenshot shows the same 'General Information' section of the 'Mining Plan Approval System (MPAS)'. The '1.1.2 Mining Plan Submission Criteria Details' form is now at a different step. The 'Type of Document' dropdown is set to 'Mining plan'. The 'LOI Number' field is present with the placeholder 'Please Enter LOI Number'. The 'Date' field is set to 'dd-mm-yyyy'. At the bottom of the form, there are four buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'. The left sidebar and top header are consistent with the previous screenshot. The session time is now 11:35.

- This screen will appear.
- Click on **Save & Next** button to save data and get redirect to next section.
- If section is already saved then **Update** will show instead of **Save & Next** button.



1.2 Land Ownership Details

1.2.1 Land Ownership Details:

- It consists of uploading a .xlsx file.
- Download a sample excel file to look at the format of excel data, need to upload data in same format otherwise an error will occur.
- Click on **Upload & verify Excel** button, will open a pop-up window.





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- Choose a .xlsx file and click on **Save** button.

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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 17 : 08 ACC Limited Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Land Ownership Details
- Existing Lease
- StatutoryCompliances
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

1.2 Land Owner Ship Details

Download Sample Excel Upload & Verify Excel

Upload Excel File

Choose File Land_Ownership_Details (1).xlsx

Save Close

Previous Save & Next Print All Next

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MINING TENEMENT SYSTEM

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GOVERNMENT OF INDIA

IBM

Session time: 23 : 54 ACC Limited Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Land Ownership Details
- Existing Lease
- StatutoryCompliances
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

Successfully Uploaded!

Continue

1 2 3 4 5 6 7 8 9 10 11

General Information

1.2 Land Owner Ship Details

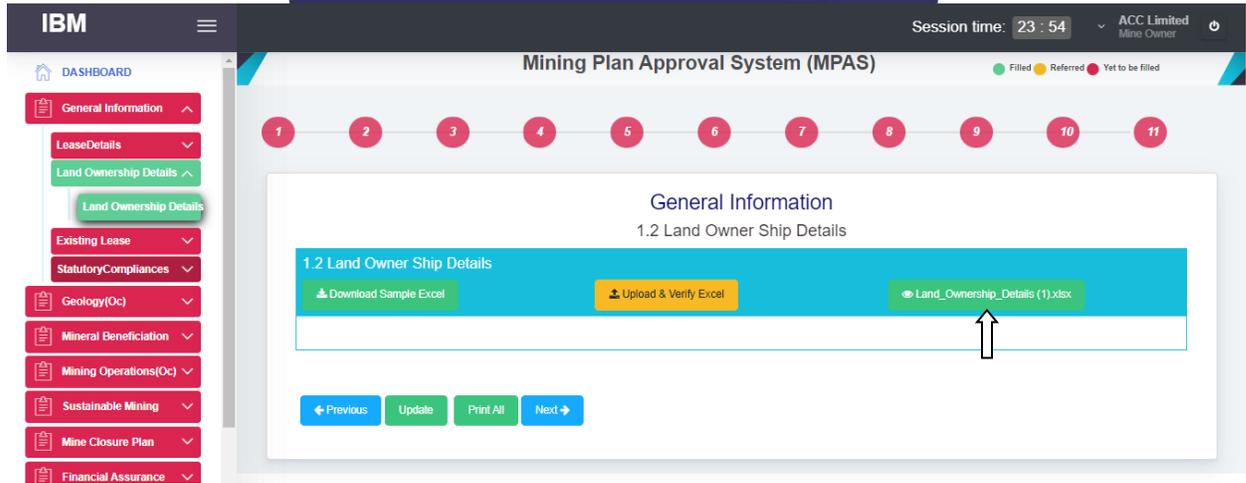
1.2 Land Owner Ship Details

Download Sample Excel Upload & Verify Excel

Previous Save & Next Print All Next

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

- Click **Continue** to save data
- If the section is already saved then **Update** will show instead of **Save & Next** button.
- The preview option is made available after uploading the file.
- Click on **Preview** to see the uploaded file.

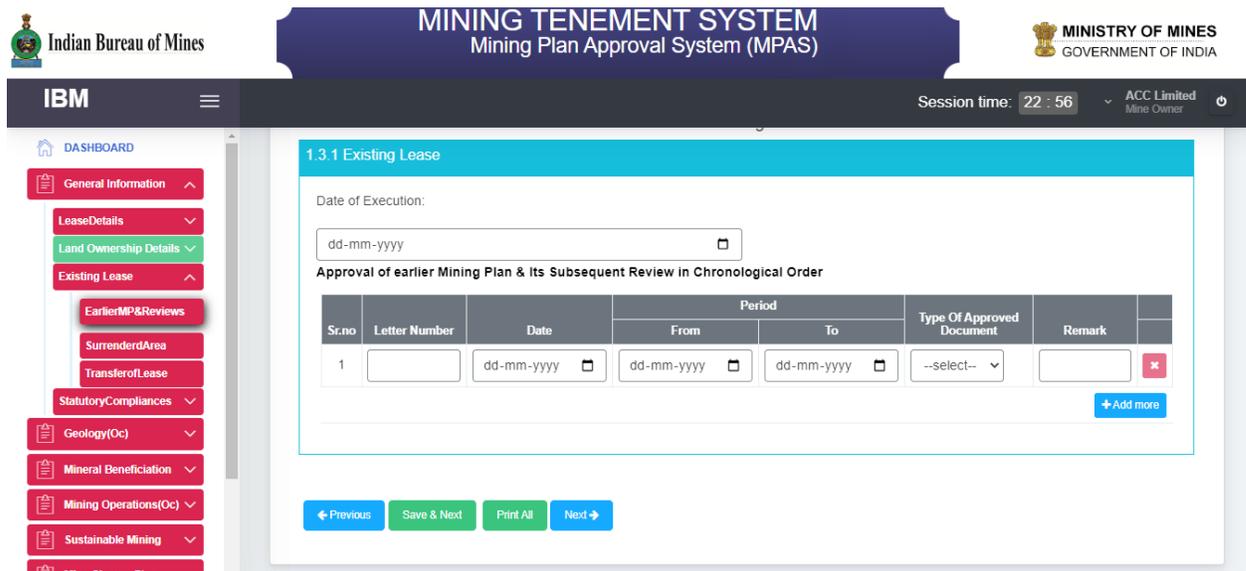


1.3 Existing Lease:

It has 3 sections **Earlier MP & Review**, **Surrendered Area**, **Transfer of Lease**.

1.3.1 Earlier MP & Review:

- Fill the form as per requirement.



- For **Add Rows** please refer the point from **1.1.1 Initial Lease Details** section.
- If the section is already saved then **Update** will show instead of **Save & Next** button.



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- Click on the **Save & Next** to save data and get redirected to next section.

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

Indian Bureau of Mines | MINISTRY OF MINES GOVERNMENT OF INDIA

Session time: 23 : 55 | ACC Limited Mine Owner

1 2 3 4 5 6 7 8 9 10 11

General Information
1.3 Existing Lease

1.3.1 Existing Lease

Date of Execution:
dd-mm-yyyy

Approval of earlier Mining Plan & its Subsequent Review in Chronological Order

Sr.no	Letter Number	Date	Period		Type Of Approved Document	Remark
			From	To		
1		dd-mm-yyyy	dd-mm-yyyy	dd-mm-yyyy	--select--	

1.3.2 Surrendered Area:

- Two options are available **Applicable** and **Not Applicable**.
- On selecting **Not Applicable**, form won't be available.

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

Indian Bureau of Mines | MINISTRY OF MINES GOVERNMENT OF INDIA

Session time: 18 : 38 | ACC Limited Mine Owner

General Information
1.3 Existing Lease

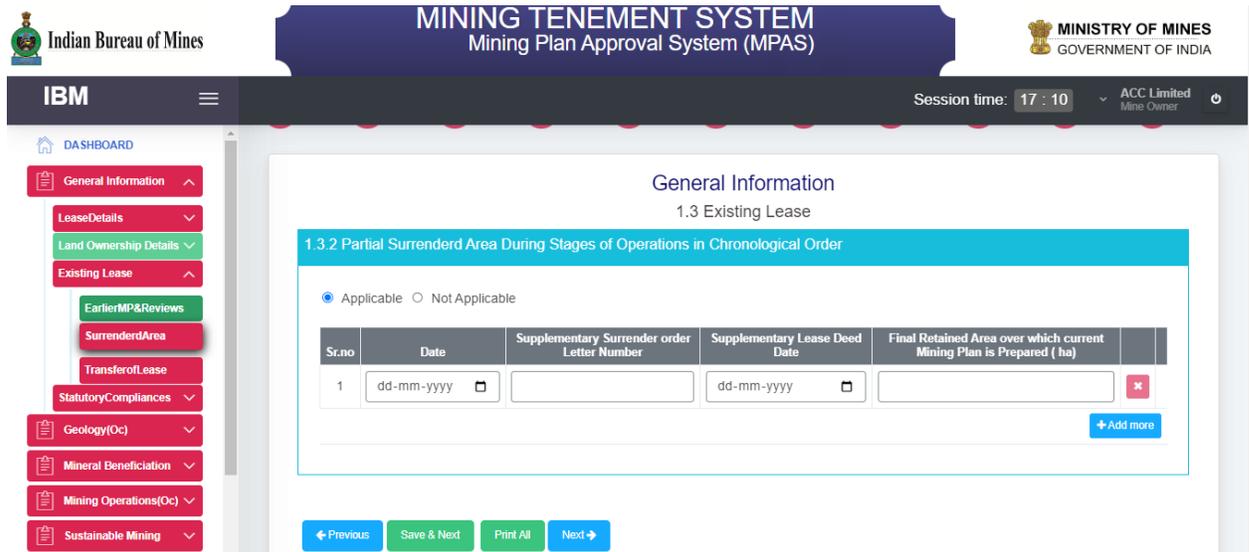
1.3.2 Partial Surrendered Area During Stages of Operations in Chronological Order

Applicable Not Applicable

← Previous | Save & Next | Print All | Next →

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- On selecting **Applicable**, form need to be filled as per the requirement.



Indian Bureau of Mines

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Mining Plan Approval System (MPAS)

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GOVERNMENT OF INDIA

IBM

Session time: 17 : 10 ACC Limited Mine Owner

DASHBOARD

General Information

LeaseDetails

Land Ownership Details

Existing Lease

EarlierMP&Reviews

SurrenderArea

TransferofLease

StatutoryCompliances

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

General Information
1.3 Existing Lease

1.3.2 Partial Surrenderd Area During Stages of Operations in Chronological Order

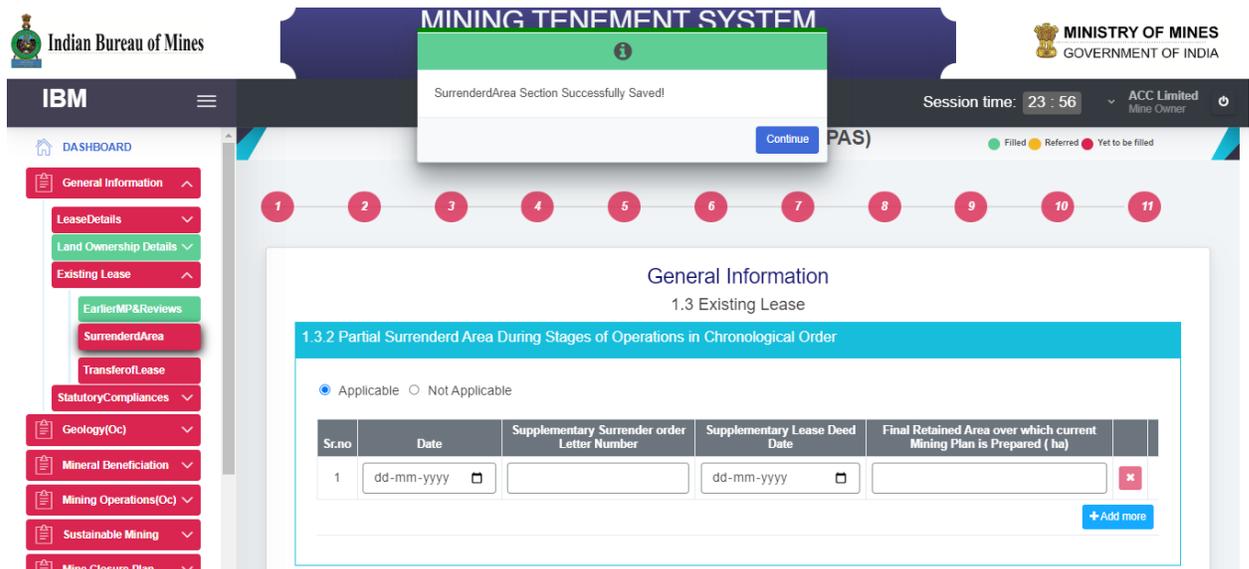
Applicable Not Applicable

Sr.no	Date	Supplementary Surrender order Letter Number	Supplementary Lease Deed Date	Final Retained Area over which current Mining Plan is Prepared (ha)
1	dd-mm-yyyy		dd-mm-yyyy	

+ Add more

← Previous Save & Next Print All Next →

- Click on the **Save & Next** to save the data, and get redirected to the next section.
- If the section is already saved then **Update** will show instead of **Save & Next** button.



Indian Bureau of Mines

MINING TENEMENT SYSTEM

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 56 ACC Limited Mine Owner

DASHBOARD

General Information

LeaseDetails

Land Ownership Details

Existing Lease

EarlierMP&Reviews

SurrenderArea

TransferofLease

StatutoryCompliances

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

Mine Closure Plan

General Information
1.3 Existing Lease

1.3.2 Partial Surrenderd Area During Stages of Operations in Chronological Order

Applicable Not Applicable

Sr.no	Date	Supplementary Surrender order Letter Number	Supplementary Lease Deed Date	Final Retained Area over which current Mining Plan is Prepared (ha)
1	dd-mm-yyyy		dd-mm-yyyy	

+ Add more

← Previous Save & Next Print All Next →

SurrenderArea Section Successfully Saved!

Continue

1.3.3 Transfer of Lease:

- Please refer **1.3.2 Surrendered Area**.

IBM Session time: 22 : 21 ACC Limited Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Existing Lease
- EarlierMP&Reviews
- SurrenderArea
- Transferoff_lease
- StatutoryCompliances
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan

General Information
1.3 Existing Lease

1.3.3 Transfer of Lease Area Subsequent to Grant

Applicable Not Applicable

Sl. No.	Transfer of lease deed letter Number	Date of execution of Transfer lease deed	Name of Transferor	Nature of block transferred		
				Granted through auction	other than through auction for captive use	other than through auction for non-captive use
1	<input type="text"/>	<input type="text" value="dd-mm-yyyy"/>	<input type="text"/>	--select--	--select--	--select--

[+ Add more](#)

[← Previous](#)
[Save & Next](#)
[Print All](#)
[Next →](#)

1.4 Statutory Compliances:

It has 4 sections the **Statutory Compliances, Location Boundary Pillar, Owner Details & Qualified Person.**

1.4.1 Statutory Compliances:

- If Applicable is selected as **Yes**, then fields will be in editable format.

IBM Session time: 18 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Existing Lease
- StatutoryCompliances
- Location Boundary Pillar
- OwnerDetails
- Qualified Person
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining

General Information
1.3 Existing Lease

1.3.4 Statutory Compliances

1.3.4.1: Environment Clearance

Applicable: Letter No: Date:

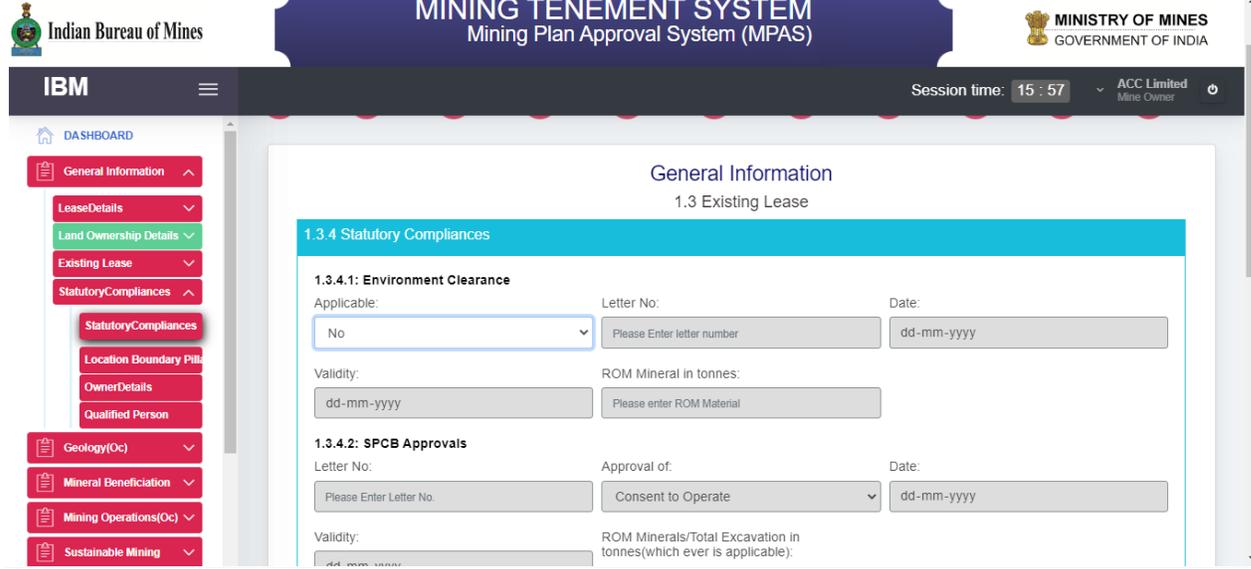
Validity: ROM Mineral in tonnes:

1.3.4.2: SPCB Approvals

Letter No: Approval of: Date:

Validity: ROM Minerals/Total Excavation in tonnes(which ever is applicable):

- If Applicable is selected as **No**, then fields will be disabled.



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Mining Plan Approval System (MPAS)

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GOVERNMENT OF INDIA

IBM

Session time: 15 : 57

ACC Limited
Mine Owner

DASHBOARD

General Information

LeaseDetails

Land Ownership Details

Existing Lease

StatutoryCompliances

StatutoryCompliances

Location Boundary Pillars

OwnerDetails

Qualified Person

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

General Information
1.3 Existing Lease

1.3.4 Statutory Compliances

1.3.4.1: Environment Clearance

Applicable: No

Letter No: Please Enter letter number

Date: dd-mm-yyyy

Validity: dd-mm-yyyy

ROM Mineral in tonnes: Please enter ROM Material

1.3.4.2: SPCB Approvals

Letter No: Please Enter Letter No.

Approval of: Consent to Operate

Date: dd-mm-yyyy

Validity: dd-mm-yyyy

ROM Minerals/Total Excavation in tonnes(which ever is applicable):

- Fill the form as per the requirement.
- If the section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save the data and get redirected to the next section.

1.4.2 Location Boundary Pillars:



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Mining Plan Approval System (MPAS)

Indian Bureau of Mines

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 08

ACC Limited
Mine Owner

DASHBOARD

General Information

LeaseDetails

Land Ownership Details

Existing Lease

StatutoryCompliances

StatutoryCompliances

Location Boundary Pillars

OwnerDetails

Qualified Person

Geology(Oc)

Mineral Beneficiation

Mining Operations(Oc)

Sustainable Mining

Mining Plan Approval System (MPAS)

1 2 3 4 5 6 7 8 9 10 11

General Information
1.3.5 Mine Location Details

1.3.5.1 Location of Boundary Pillars

Download Sample Excel

Upload & Verify Excel

Previous Save & Next Print All Next

- Please refer the point **1.2 Land Ownership Details**.



1.4.3 Owner Details:

- Some fields are auto filled which are, Name, Address of Owner/Nominated Owner, Mobile Number, Email. Remaining fields need to be filled as per requirement.

The screenshot displays the 'Mining Plan Approval System (MPAS)' interface. The main content area is titled 'General Information' and '1.3 Existing Lease'. Below this, there is a section for '1.3.6 Owner/Nominated Owner Details' which contains a table with the following data:

Name	PAN of owner / Nominated Owner	Address of owner/ Nominated Owner	Mobile Number	Email	Please attach Minutes of Board Resolution in case of Nominated Owner
ACC Limited		Cement House12	022-67973967	harendra.sini	Choose File No file chosen

There is an '+ Add more' button at the bottom right of the table.

- For Add More rows please refer **1.1 Initial Lease Details**.
- If the section is already saved then **Update** will show instead of **Save & Next** button.
- Click on the **Save & Next** to save data and get redirected to next section.

1.4.4 Qualified Person:

- Fill the data as per the requirement.



IBM Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Existing Lease
- StatutoryCompliances
- StatutoryCompliances
- Location Boundary Pill
- OwnerDetails
- Qualified Person
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)

General Information

1.3 Existing Lease

1.3.7 Qualified Person details as per M(OAHCCEM) CR, 2016

Sr No	Prefix	Name	PAN of QP	Address	Mobile no.	Qualification	Exp in years as prescribed under the rule	Email
1	--select--							

← Previous Save & Next Print All Next →

- For Add More rows please refer **1.1.1 Initial Lease Details**.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to the next section.

2) 2A Geology (OC)

Geology (OC) consists of eight sections:

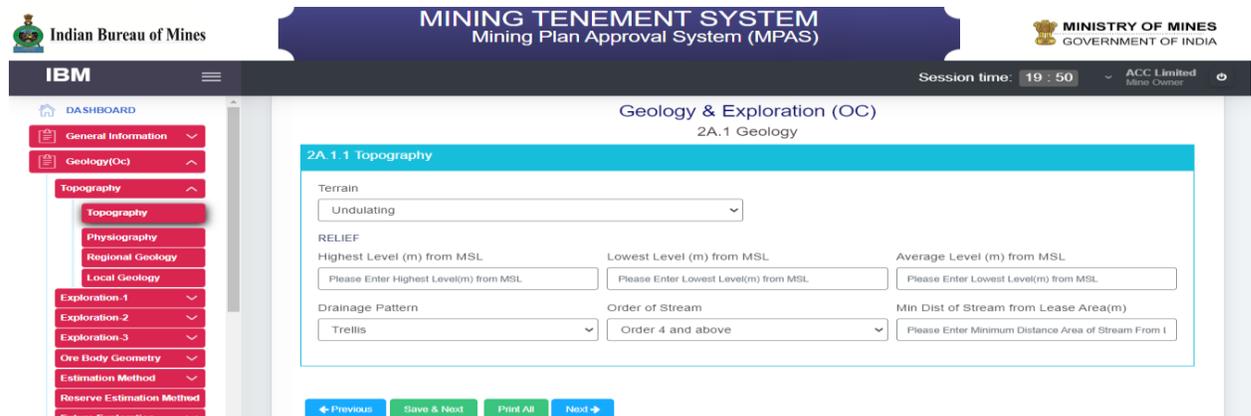
- 1) Topography
- 2) Exploration- 1
- 3) Exploration-2
- 4) Exploration-3
- 5) Ore Body Geometry
- 6) Estimation Method
- 7) Reserve Estimation Method
- 8) Future Exploration

2.1 Topography:

Topography consists of four sections (Topography, Physiography, Regional Geology and Local Geology)

2.1.1 Topography:

- Select terrain from drop down, enter highest level (m) from MSL in numeric value only, enter lowest level (m) from MSL in numeric value only, enter average level (m) from MSL, select drainage pattern, select order of stream and min dist of stream from lease area (m) in numeric value only.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



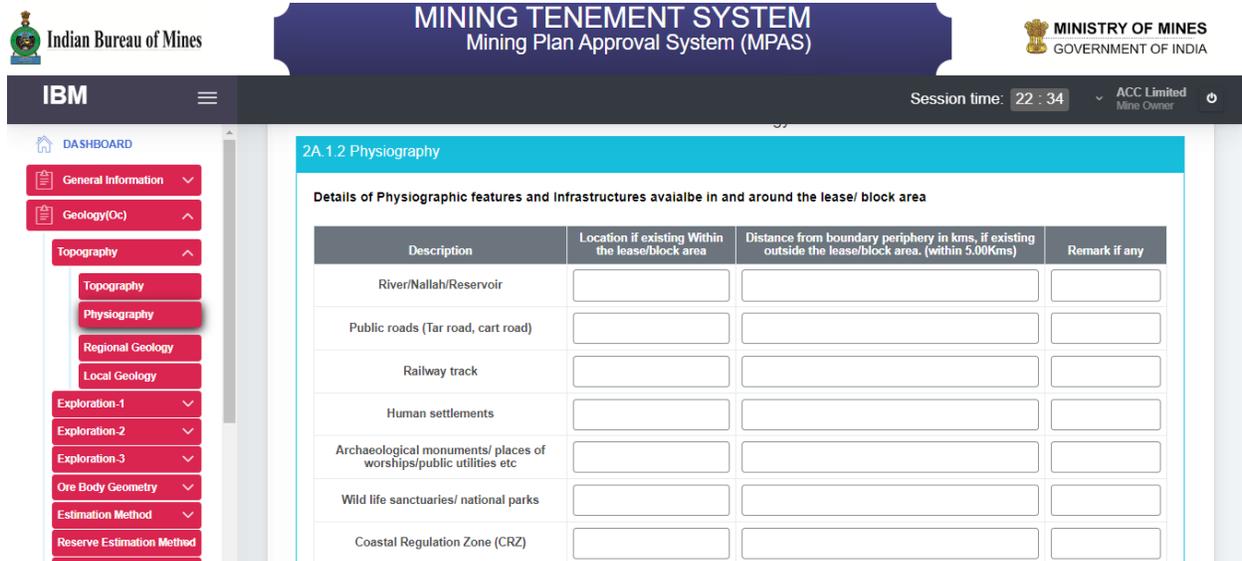
The screenshot displays the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited' with the role of 'MPO Owner'. The session time is 19:50. The main menu on the left includes 'General Information', 'Geology(OC)', 'Topography', 'Physiography', 'Regional Geology', 'Local Geology', 'Exploration-1', 'Exploration-2', 'Exploration-3', 'Ore Body Geometry', 'Estimation Method', 'Reserve Estimation Method', and 'Future Exploration'. The current view is 'Geology & Exploration (OC) 2A.1 Geology' with the sub-section '2A.1.1 Topography'. The form contains the following fields:

- Terrain: Undulating (dropdown menu)
- RELIEF:
 - Highest Level (m) from MSL: Please Enter Highest Level(m) from MSL (text input)
 - Lowest Level (m) from MSL: Please Enter Lowest Level(m) from MSL (text input)
 - Average Level (m) from MSL: Please Enter Average Level(m) from MSL (text input)
- Drainage Pattern: Trellis (dropdown menu)
- Order of Stream: Order 4 and above (dropdown menu)
- Min Dist of Stream from Lease Area(m): Please Enter Minimum Distance Area of Stream From I (text input)

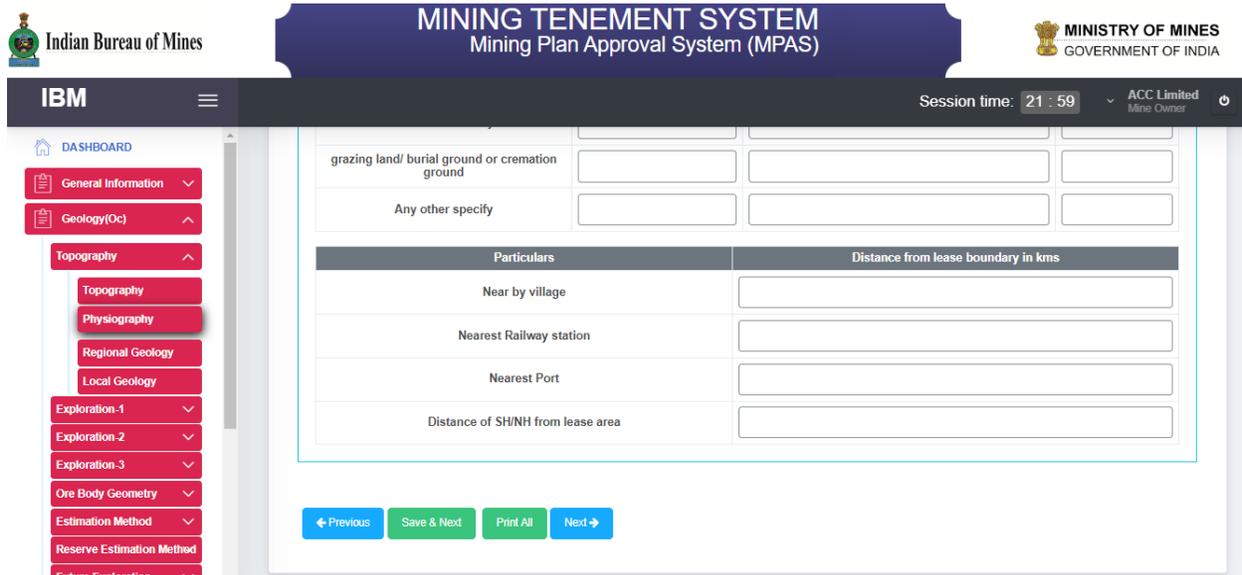
At the bottom of the form, there are four buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'.

2.1.2 Physiography:

- Enter location if existing within the lease /block, distance from boundary periphery in kms, if existing outside the lease/block area and remark if any on their description.
- Enter distance from lease boundary in kms on their particulars.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Description	Location if existing Within the lease/block area	Distance from boundary periphery in kms, if existing outside the lease/block area. (within 5.00Kms)	Remark if any
River/Nallah/Reservoir	<input type="text"/>	<input type="text"/>	<input type="text"/>
Public roads (Tar road, cart road)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Railway track	<input type="text"/>	<input type="text"/>	<input type="text"/>
Human settlements	<input type="text"/>	<input type="text"/>	<input type="text"/>
Archaeological monuments/ places of worships/public utilities etc	<input type="text"/>	<input type="text"/>	<input type="text"/>
Wild life sanctuaries/ national parks	<input type="text"/>	<input type="text"/>	<input type="text"/>
Coastal Regulation Zone (CRZ)	<input type="text"/>	<input type="text"/>	<input type="text"/>

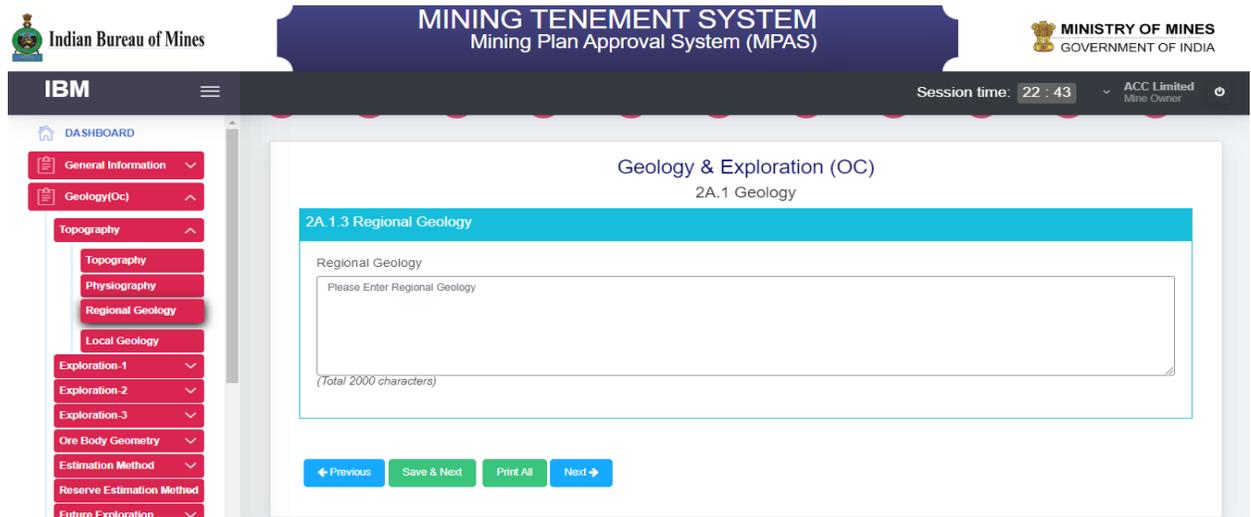


grazing land/ burial ground or cremation ground	<input type="text"/>	<input type="text"/>	<input type="text"/>
Any other specify	<input type="text"/>	<input type="text"/>	<input type="text"/>

Particulars	Distance from lease boundary in kms
Near by village	<input type="text"/>
Nearest Railway station	<input type="text"/>
Nearest Port	<input type="text"/>
Distance of SH/NH from lease area	<input type="text"/>

2.1.3 Regional Geology:

- Enter Regional Geology with total 2000 characters
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the IBM Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines Government of India logo. The user is logged in as 'ACC Limited Mine Owner' with a session time of 22:43. The left sidebar shows a navigation menu with 'Regional Geology' selected. The main content area is titled 'Geology & Exploration (OC) 2A.1 Geology' and contains a form for '2A 1.3 Regional Geology'. The form has a text area labeled 'Regional Geology' with the instruction 'Please Enter Regional Geology' and a character limit of '(Total 2000 characters)'. Below the text area are four buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'.

2.1.4 Local Geology & Structure:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the IBM Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines Government of India logo. The user is logged in as 'ACC Limited Mine Owner' with a session time of 22:00. The left sidebar shows a navigation menu with 'Local Geology' selected. The main content area is titled 'Geology & Exploration (OC) 2A.1 Geology' and contains a form for '2A 1.4 Local Geology & Structure'. The form has two text areas: '2A.1.4.1 : Local Geological Set-up' with the instruction 'Please Enter Regional Geology' and a character limit of 'Maximum 2000 characters', and '2A.1.4.2 : Structure' with the instruction 'Please Enter Structure' and a character limit of 'Maximum 2000 characters'. Below the second text area is a label '2A 1.4.3 : Lithology, Petrographic & Mineralogical Description for Major, Associated & Indicator Minerals'.



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Indian Bureau of Mines

MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)



MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 21 : 25 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
 - Topography
 - Topography
 - Physiography
 - Regional Geology
 - Local Geology
 - Exploration-1
 - Exploration-2
 - Exploration-3
 - Ore Body Geometry
 - Estimation Method
 - Reserve Estimation Method
 - Future Exploration

2A.1.4.5 : Extent of Weathering/ Alteration Maximum 2000 characters.

Please Enter Extent of Weathering/ Alteration

2A.1.4.6 : Nature/Form of Mineral Maximum 2000 characters.

Powdery

Specify If any other

2A.1.4.7 : Extent of Mineralization:

Please Enter Extent of Mineralization:

IBM Session time: 20 : 40 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
 - Topography
 - Topography
 - Physiography
 - Regional Geology
 - Local Geology
 - Exploration-1
 - Exploration-2
 - Exploration-3
 - Ore Body Geometry
 - Estimation Method
 - Reserve Estimation Method
 - Future Exploration

Strike / Trend of the Ore Body TO

W [] W [] W [] W []

Amount of Dip of the Ore Body (degree) Amount of Dip of the Ore Body (degree)

(From) (To)

Dip Direction of the Ore Body Plunge of Mineral Body (degree) (if any) Direction of Plunge

W [] W [] W [] W []

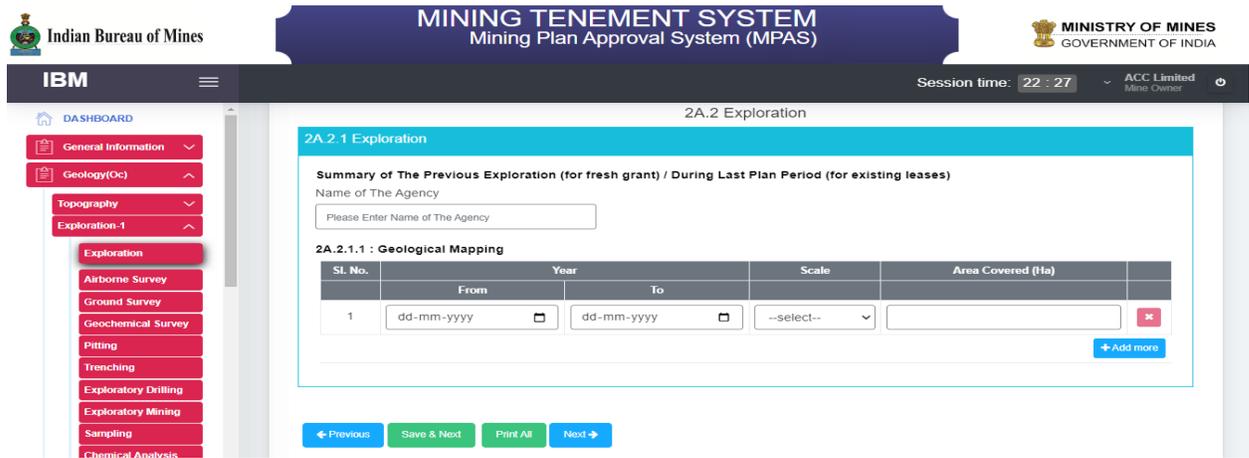
← Previous Save & Next Print All Next →

2.2 Exploration-1:

- Exploration-1 consists of fourteen sections.
- Exploration, Airborne Survey, Ground Survey, Geochemical Survey, Pitting, Trenching, Exploratory Drilling, Exploratory Mining, Sampling, Chemical Analysis, Petrology & Mineralogical, and Beneficiation studies, Density Study and Area Covered.

2.2.1 Exploration:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

Session time: 22 : 27 | ACC Limited Mine Owner

DASHBOARD | 2A.2 Exploration

2A.2.1 Exploration

Summary of The Previous Exploration (for fresh grant) / During Last Plan Period (for existing leases)

Name of The Agency
Please Enter Name of The Agency

2A.2.1.1 : Geological Mapping

Sl. No.	From	To	Scale	Area Covered (Ha)
1	dd-mm-yyyy	dd-mm-yyyy	--select--	

Buttons: Previous, Save & Next, Print All, Next

2.2.2 Airborne Geophysical Survey:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

Session time: 23 : 03 | ACC Limited Mine Owner

DASHBOARD | Geology & Exploration (OC) | 2A.2 Exploration

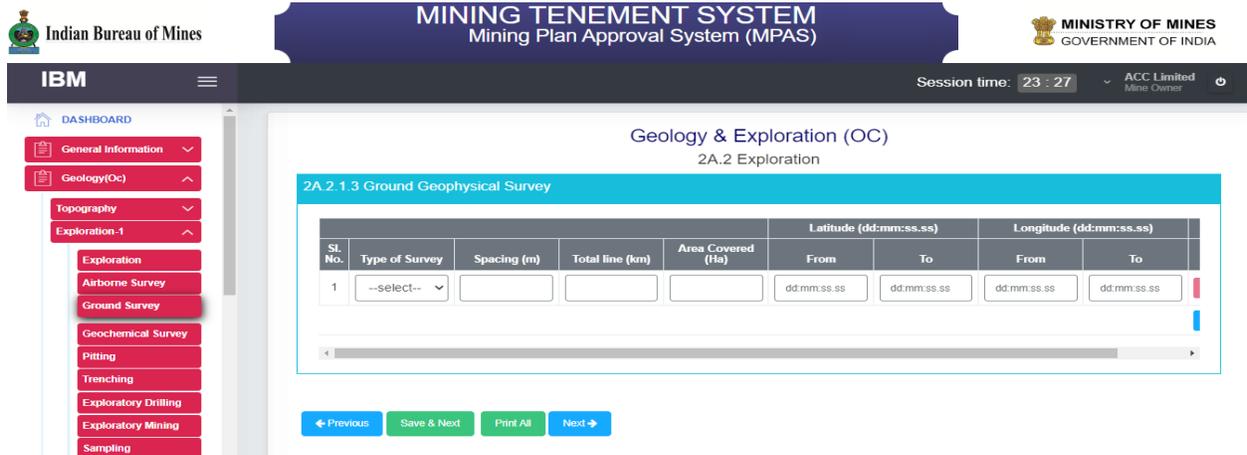
2A.2.1.2 Airborne Geophysical Survey

Sl. No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	--select--				(dd:mm:ss.ss)	(dd:mm:ss.ss)	(dd:mm:ss.ss)	(dd:mm:ss.ss)

Buttons: Previous, Save & Next, Print All, Next

2.2.3 Ground Geophysical Survey:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 27

ACC Limited
Mine Owner

DASHBOARD

General Information

Geology(OC)

Topography

Exploration-1

Exploration

Airborne Survey

Ground Survey

Geochemical Survey

Pitting

Trenching

Exploratory Drilling

Exploratory Mining

Sampling

Geology & Exploration (OC)
2A.2 Exploration

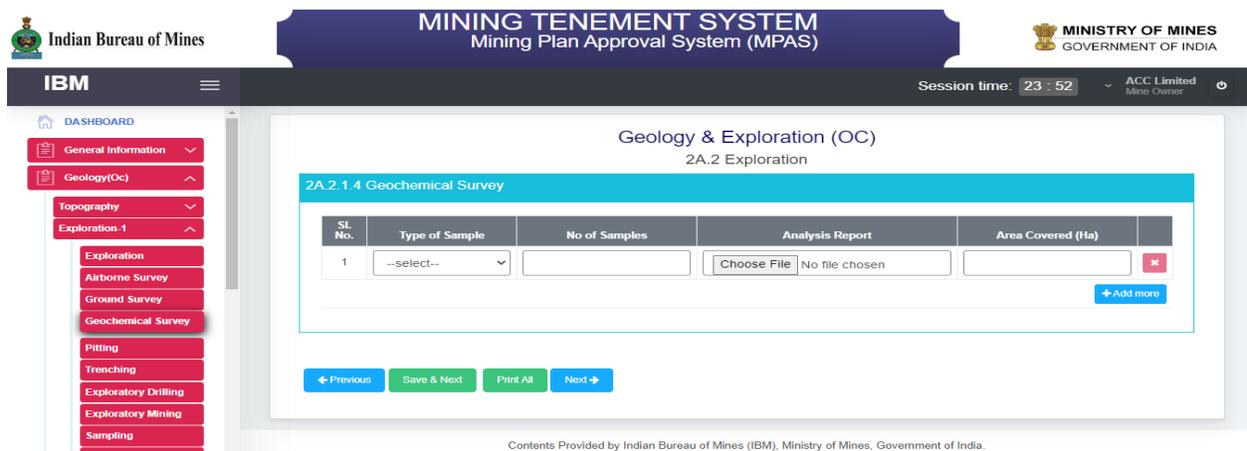
2A.2.1.3 Ground Geophysical Survey

Sl. No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	--select--				dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss

← Previous Save & Next Print All Next →

2.2.4 Geochemical Survey:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 52

ACC Limited
Mine Owner

DASHBOARD

General Information

Geology(OC)

Topography

Exploration-1

Exploration

Airborne Survey

Ground Survey

Geochemical Survey

Pitting

Trenching

Exploratory Drilling

Exploratory Mining

Sampling

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.4 Geochemical Survey

Sl. No.	Type of Sample	No of Samples	Analysis Report	Area Covered (Ha)
1	--select--		Choose File No file chosen	

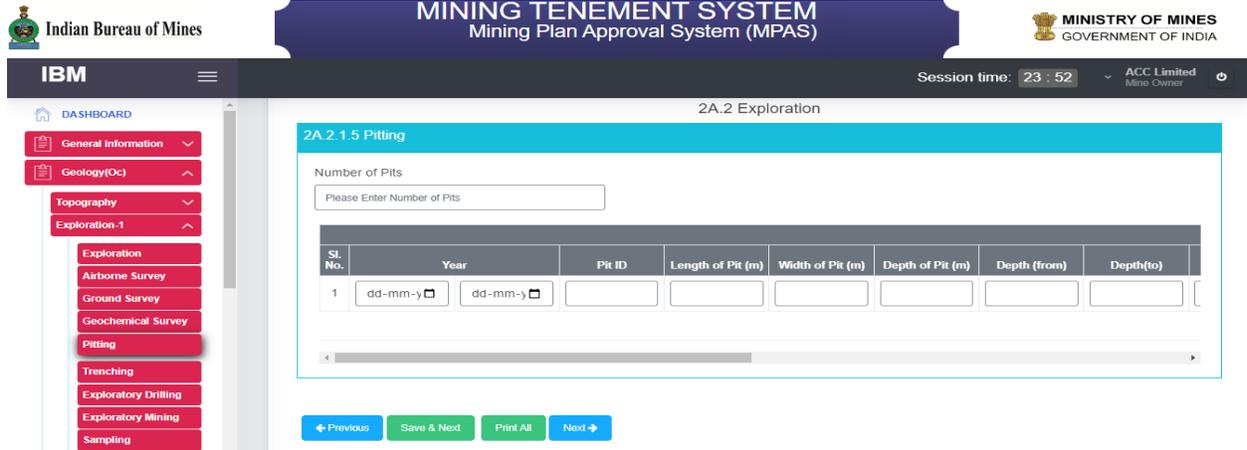
← Previous Save & Next Print All Next →

+ Add more

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.2.5 Pitting:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

IBM | Session time: 23 : 52 | ACC Limited Mine Owner

DASHBOARD | 2A.2 Exploration

2A.2.1.5 Pitting

Number of Pits
Please Enter Number of Pits

Sl. No.	Year	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Depth (from)	Depth(to)
1	dd-mm-y	dd-mm-y					

← Previous | Save & Next | Print All | Next →



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

IBM | Session time: 23 : 28 | ACC Limited Mine Owner

DASHBOARD | 2A.2 Exploration

2A.2.1.5 Pitting

Number of Pits
Please Enter Number of Pits

Pitting mtr	Litho units exposed	Name of the radical	Av Grade(in %)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
				From	To	From	To
				dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss

+ Add more

← Previous | Save & Next | Print All | Next →

2.2.6 Trenching:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling

2A.2.1.6 Trenching

Number of Trenches

2A.2.1.6.1 : SPACING

Min (m) Max (m) Avg (m)

Sl. No.	Year	Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of	Depth (from)	Depth(to)
1	<input type="text" value="dd-mm-y"/>	<input type="text" value="dd-mm-y"/>	<input type="text"/>				

IBM Session time: 23 : 21 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis
 - Petrology/Mineralogical
 - Beneficiation Studies

2A.2.1.6 Trenching

Number of Trenches

2A.2.1.6.1 : SPACING

Min (m) Max (m) Avg (m)

Running mtr	Litho units exposed	Name of the radical	Av Grade	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
				From	To	From	To
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>

2.2.7 Exploratory Drilling:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.7 Exploratory Drilling

Core/Non-core Drilling

Sl.No	Year		Exploration agency	Core holes		Non-core (RC/DTH)		Number borehole drilled
	From	To		Number of boreholes drilled	Total metr	Number of boreholes drilled	Total mtrs	
1	dd-mm-y	dd-mm-y						

[+ Add more](#)

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

IBM Session time: 23 : 00 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.7 Exploratory Drilling

Core/Non-core Drilling

Exploration agency	Core holes		Non-core (RC/DTH)		Grand total		Attach log sheet of each borehole in csv/excel format
	Number of boreholes drilled	Total metr	Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	
							Choose File <input type="button" value="x"/>

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

2.2.8 Exploratory Mining:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.8 Exploratory Mining

Sl. No.	Pit/Adit ID	Length in Mtr	Width in Mtr	Depth in mtrs	Volume (m ³)	
1	<input type="text"/>	<input type="button" value="✖"/>				

[+ Add more](#)

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.2.9 Sampling:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 56 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.9 Sampling

Sl.No	Type of sample	No of samples collected	Number of samples analyzed	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Remark if any
				From	To	From	To	
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text"/>

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

2.2.10 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

Indian Bureau of Mines

IBM

Session time: 23 : 56 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.10 Chemical Analysis

Sl. No.	Sample ID	Minerals	Radical with grade in %	Name of Agency	Type of agency	Attachment
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--	Choose File No ...sen <input type="button" value="x"/>

[+ Add more](#)

* Chemical analysis of core /non core samples may be uploaded in CSV file which shall normally include Five files namely collar file, survey file and Geology log file, Assay file and RQD File.

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

2.2.11 Petrology & Mineralogical Studies:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 54 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.11 Petrology & Mineralogical Studies

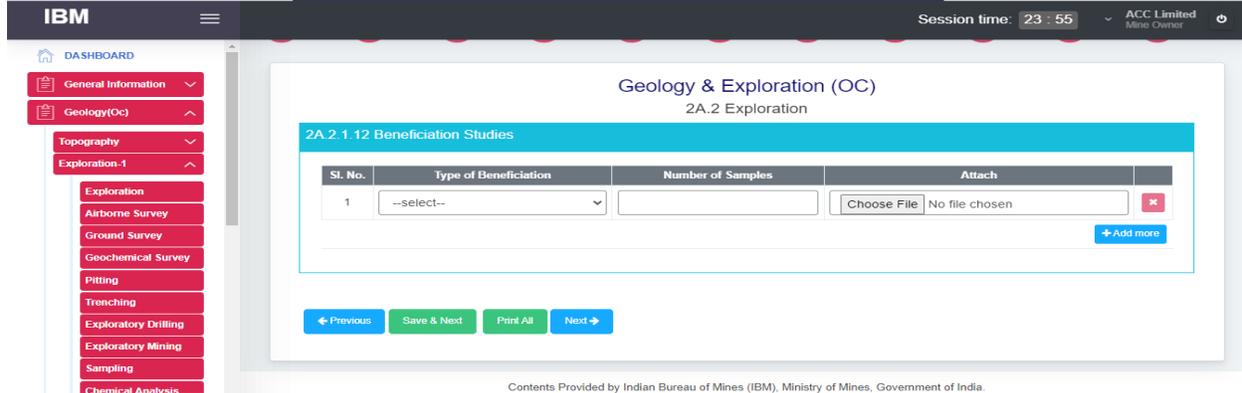
Sl. No.	Type of Sample	Number of Sample Drawn	Number of Sample Analyzed	Petrographic Study Report (PDF Only)
1	--select--	<input type="text"/>	<input type="text"/>	Choose File No file chosen <input type="button" value="x"/>

[+ Add more](#)

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

2.2.12 Beneficiation Studies:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



IBM | Session time: 23 : 55 | ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.12 Beneficiation Studies

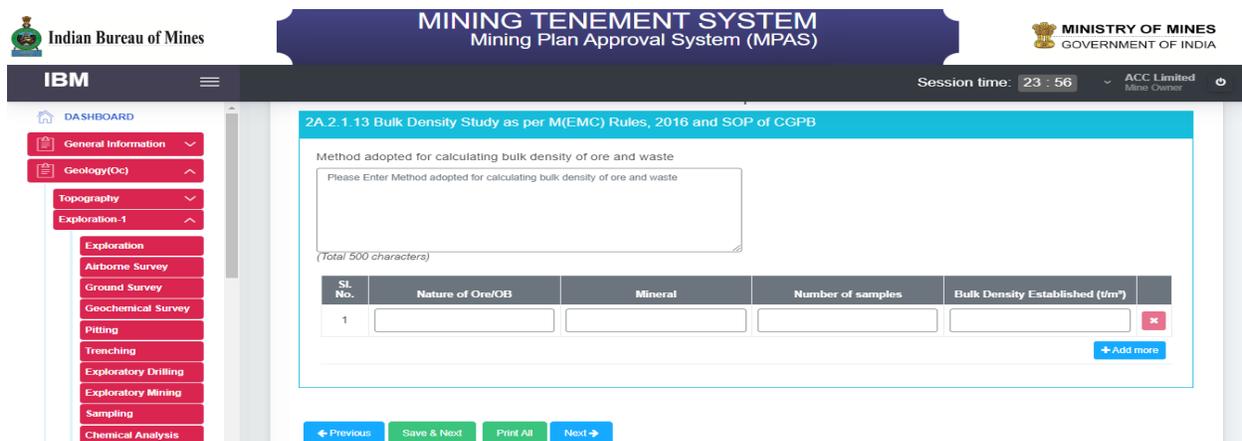
Sl. No.	Type of Beneficiation	Number of Samples	Attach
1	--select--		Choose File No file chosen

Buttons: Previous, Save & Next, Print All, Next

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.2.13 Bulk Density Study as per M(EMC) Rules, 2016 & SOP of CGPB :

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



IBM | Session time: 23 : 56 | ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis

2A.2.1.13 Bulk Density Study as per M(EMC) Rules, 2016 and SOP of CGPB

Method adopted for calculating bulk density of ore and waste
Please Enter Method adopted for calculating bulk density of ore and waste
(Total 500 characters)

Sl. No.	Nature of Ore/OB	Mineral	Number of samples	Bulk Density Established (t/m ³)
1				

Buttons: Previous, Save & Next, Print All, Next

2.2.14 Area Covered under Exploration:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
 - Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Trenching
 - Exploratory Drilling
 - Exploratory Mining
 - Sampling
 - Chemical Analysis

2A.2.1.14 Area Covered under Exploration

Level of exploration	Area in Ha		Total area in Ha
	Forest	Non-Forest	
G-1	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-2	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-3	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-4	<input type="text"/>	<input type="text"/>	<input type="text"/>
Area proved as Non-mineralized	<input type="text"/>	<input type="text"/>	<input type="text"/>
Area to be explored	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total	<input type="text"/>	<input type="text"/>	<input type="text"/>

2.3 Exploration-2:

- Exploration-2 consists of 5 sections.
- Previous Exploration, Airborne Survey, Ground Survey, Geochemical Survey & Pitting.

2.3.1 Previous Exploration:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 22 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
 - Previous Exploration
 - Airborne Survey
 - Ground Survey
 - Geochemical Survey
 - Pitting
 - Exploration-3
 - Ore Body Geometry
 - Estimation Method
 - Resource Estimation Method

2A.2.2 Summary of The Previous Exploration (Before Last Plan Period)

Name of The Agency

2A.2.2.1 : Geological Mapping

Sl. No.	From	Year	To	Scale	Area Covered (Ha)
1	<input type="text" value="dd-mm-yyyy"/>		<input type="text" value="dd-mm-yyyy"/>	--select--	<input type="text"/>

[+ Add more](#)

[← Previous](#)
[Save & Next](#)
[Print All](#)
[Next →](#)

2.3.2 Airborne Survey:

- Enter data as per requirement.



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- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

The screenshot shows the 'Geology & Exploration (OC)' section of the MPAS system. The sub-section is '2A.2.2 Airborne Geophysical Survey'. The form contains a table with the following columns: Sl. No., Type of Survey, Spacing (m), Total line (km), Area Covered (Ha), Latitude (dd:mm:ss.ss) (From, To), and Longitude (dd:mm:ss.ss) (From, To). The first row has '1' in the Sl. No. column and '--select--' in the Type of Survey column. Below the table are navigation buttons: Previous, Save & Next, Print All, and Next.

2.3.3 Ground Survey:

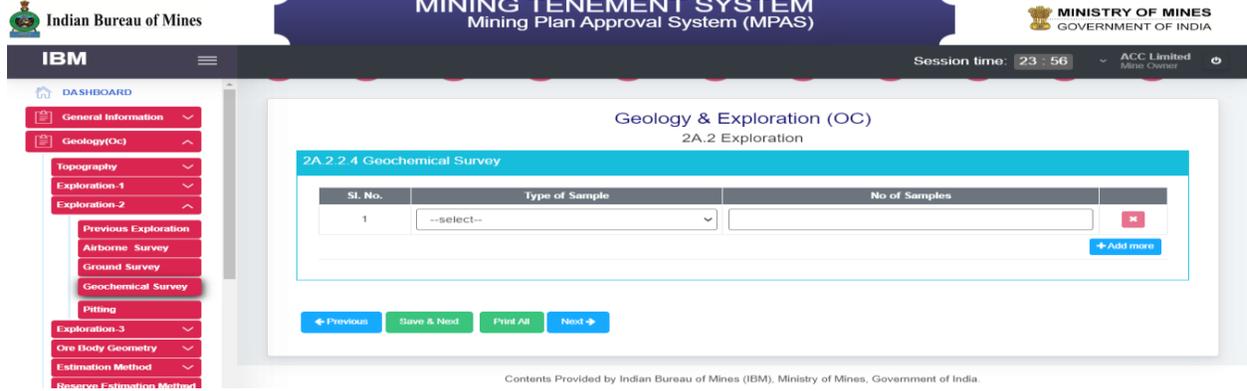
- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

The screenshot shows the 'Geology & Exploration (OC)' section of the MPAS system. The sub-section is '2A.2.3 Ground Geophysical Survey'. The form contains a table with the following columns: Sl. No., Type of Survey, Spacing (m), Total line (km), Area Covered (Ha), Latitude (dd:mm:ss.ss) (From, To), and Longitude (dd:mm:ss.ss) (From, To). The first row has '1' in the Sl. No. column and '--select--' in the Type of Survey column. Below the table are navigation buttons: Previous, Save & Next, Print All, and Next.

2.3.4 Geochemical Survey:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.

- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 56 | ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.4 Geochemical Survey

Sl. No.	Type of Sample	No. of Samples
1	--select--	<input type="text"/>

Buttons: < Previous, Save & Next, Print All, Next >

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.3.5 Pitting:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 06 | ACC Limited Mine Owner

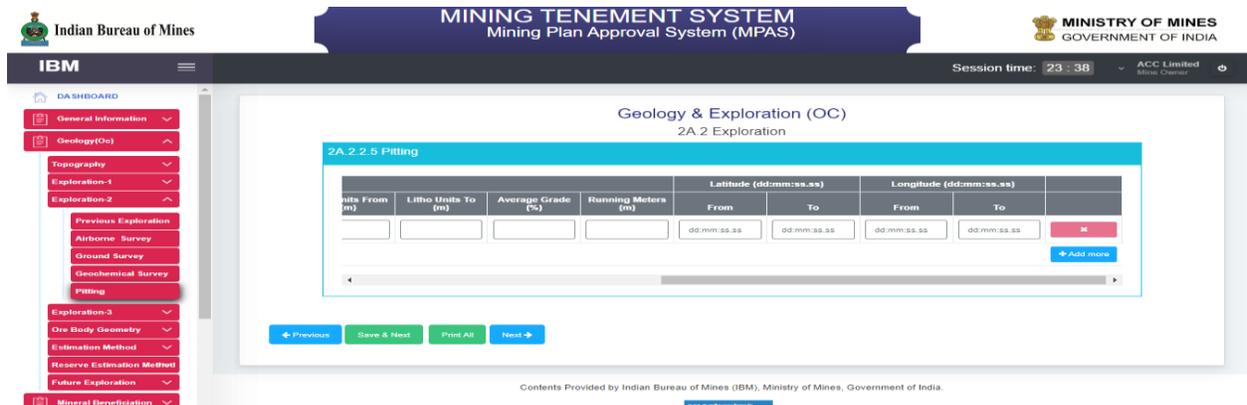
Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.5 Pitting

Sl. No.	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Litho Units Exposed	Litho Units From (m)	Litho Units To (m)	Average Grade (%)
1	<input type="text"/>							

Buttons: < Previous, Save & Next, Print All, Next >

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Session time: 23 : 38 | ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.5 Pitting

Sl. No.	Litho Units From (m)	Litho Units To (m)	Average Grade (%)	Running Meters (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
<input type="text"/>	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss				

Buttons: < Previous, Save & Next, Print All, Next >

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.4 Exploration-3:

- Exploration-3 consists of 9 sections.
- Trenching, Exploratory Drilling, Exploratory Mining, Sampling, Chemical Analysis, Petrology & Mineralogical, Beneficiation studies, Bulk Density & Area Covered.

2.4.1 Trenching:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.6 Trenching

Number of Trenches
Please Enter Number of Trenches

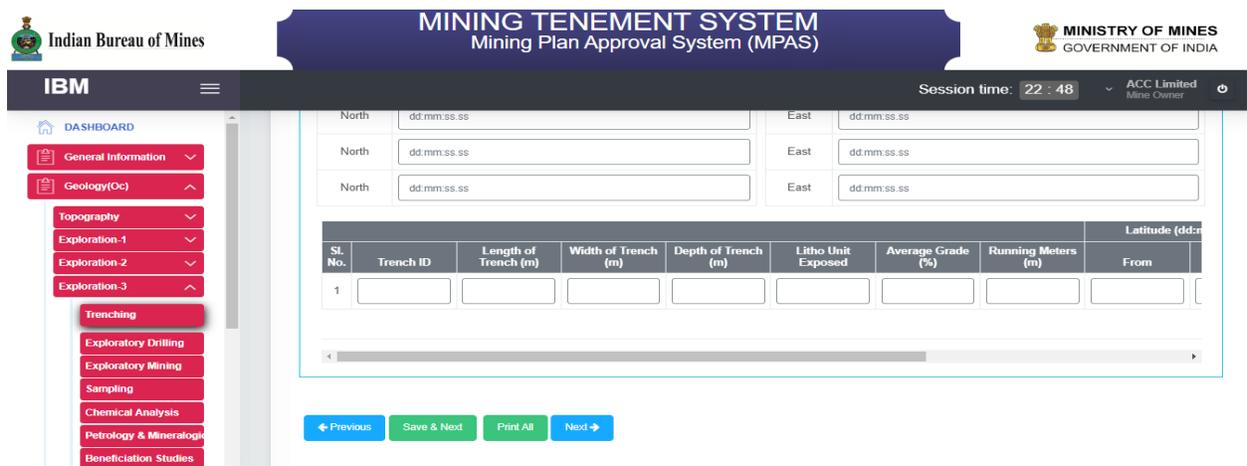
SPACING

Min (m) Max (m) Avg (m)
Please Enter Min(m) Please Enter Max(m) Please Enter Avg(m)

Area Covered Under Trenching

Co-ordinates

Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss)
North dd:mm:ss.ss East dd:mm:ss.ss



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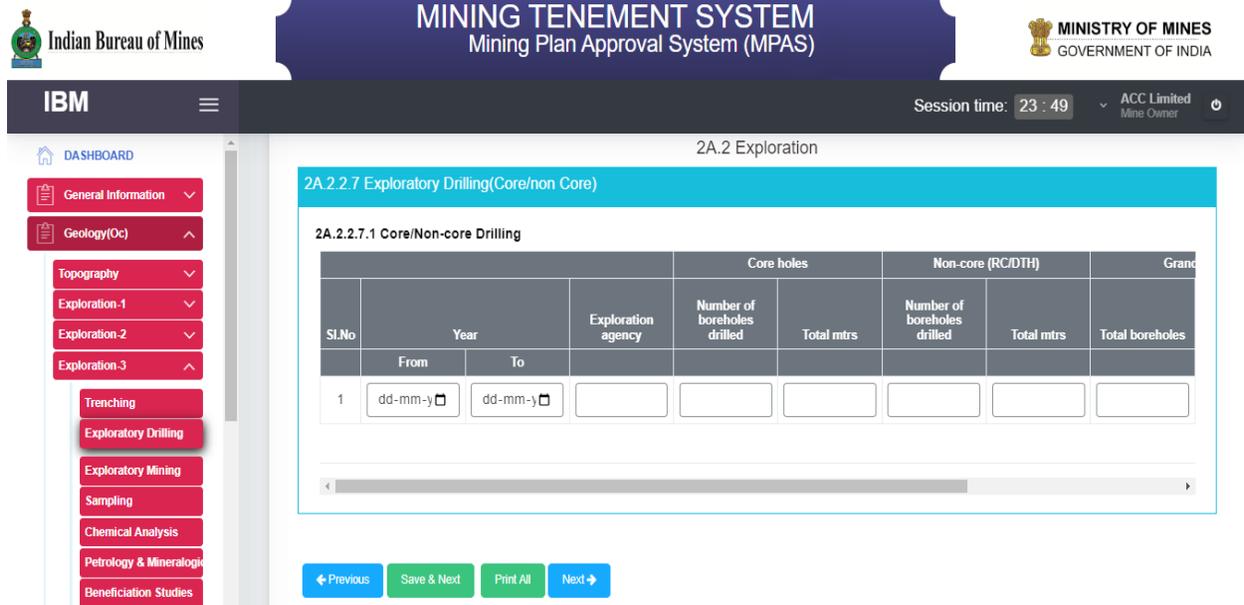
North dd:mm:ss.ss East dd:mm:ss.ss
North dd:mm:ss.ss East dd:mm:ss.ss
North dd:mm:ss.ss East dd:mm:ss.ss

SL No.	Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench (m)	Litho Unit Exposed	Average Grade (%)	Running Meters (m)	Latitude (dd:mm:ss.ss)
1								

← Previous Save & Next Print All Next →

2.4.2 Exploratory Drilling (Core/Non Core):

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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DASHBOARD

2A.2 Exploration

2A.2.2.7 Exploratory Drilling(Core/non Core)

2A.2.2.7.1 Core/Non-core Drilling

Sl.No	Year		Exploration agency	Core holes		Non-core (RC/DTH)		Grand
	From	To		Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	
1	dd-mm-y	dd-mm-y						

← Previous Save & Next Print All Next →



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DASHBOARD

Geology & Exploration (OC)

2A.2 Exploration

2A.2.2.7 Exploratory Drilling(Core/non Core)

2A.2.2.7.1 Core/Non-core Drilling

Exploration agency	Core holes		Non-core (RC/DTH)		Grand total		Attach log sheet of each borehole in csv/excel format
	Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	Total boreholes	Total mtrs	
							Choose File *

← Previous Save & Next Print All Next →

2.4.3 Exploratory Mining:

- Enter data as per requirement.



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- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

The screenshot shows the IBM Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines logo. The user is logged in as 'ACC Limited Mine Owner' with a session time of 23:56. The left sidebar contains a 'DASHBOARD' menu with options like 'General Information', 'Geology(OC)', 'Topography', 'Exploration-1', 'Exploration-2', 'Exploration-3', 'Trenching', 'Exploratory Drilling', 'Exploratory Mining', 'Sampling', 'Chemical Analysis', 'Petrology & Mineralogic', 'Beneficiation Studies', and 'Bulk Density'. The main content area is titled 'Geology & Exploration (OC)' and '2A.2 Exploration'. It displays a table for '2A.2.2.8 Exploratory Mining' with columns for 'Sl. No.', 'Pit/Addr ID', and 'Volume (m³)'. A single row with 'Sl. No.' 1 is visible. Below the table are buttons for 'Previous', 'Save & Next', 'Print All', and 'Next'. An '+Add more' button is also present.

2.4.4 Sampling:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

The screenshot shows the IBM Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines logo. The user is logged in as 'ACC Limited Mine Owner' with a session time of 23:53. The left sidebar contains a 'DASHBOARD' menu with options like 'General Information', 'Geology(OC)', 'Topography', 'Exploration-1', 'Exploration-2', 'Exploration-3', 'Trenching', 'Exploratory Drilling', 'Exploratory Mining', 'Sampling', 'Chemical Analysis', 'Petrology & Mineralogic', 'Beneficiation Studies', and 'Bulk Density'. The main content area is titled 'Geology & Exploration (OC)' and '2A.2 Exploration'. It displays a table for '2A.2.2.9 Sampling' with columns for 'Sl.No.', 'Type of sample', 'Number of Samples', 'Area Covered (ha)', and 'Latitude (dd:mm:ss.ss)' and 'Longitude (dd:mm:ss.ss)'. Each of the last three columns has 'From' and 'To' sub-columns. A single row with 'Sl.No.' 1 is visible. Below the table are buttons for 'Previous', 'Save & Next', 'Print All', and 'Next'. An '+Add more' button is also present.

2.4.5 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.



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- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

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Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Trenching
- Exploratory Drilling
- Exploratory Mining
- Sampling
- Chemical Analysis
- Petrology & Mineralogical
- Beneficiation Studies

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.10 Chemical Analysis

Sl. No.	Sample ID	Minerals	Radical Analysis	Attach
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	Choose File No file chosen

← Previous Save & Next Print All Next →

2.4.6 Petrology & Mineralogical Survey:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
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DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Trenching
- Exploratory Drilling
- Exploratory Mining
- Sampling
- Chemical Analysis
- Petrology & Mineralogical
- Beneficiation Studies

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.11 Petrology & Mineralogical Studies

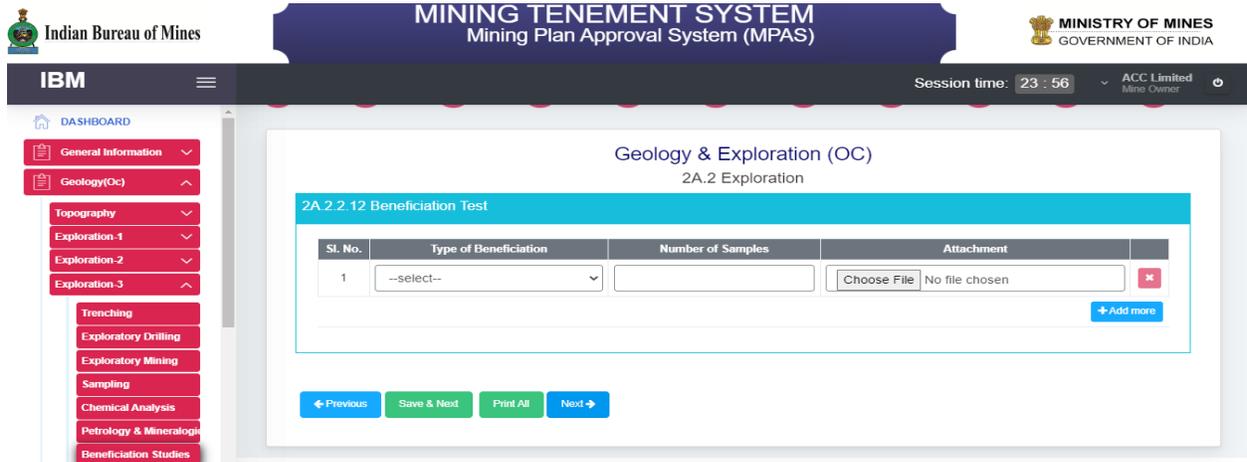
Sl. No.	Type of Sample	Number of Sample Drawn	Number of Sample Analyzed	Petrographic Study Report
1	--select--	<input type="text"/>	<input type="text"/>	Choose File No file chosen

← Previous Save & Next Print All Next →

2.4.7 Beneficiation Test:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.

- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 56

ACC Limited
Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Trenching
- Exploratory Drilling
- Exploratory Mining
- Sampling
- Chemical Analysis
- Petrology & Mineralogy
- Beneficiation Studies

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.12 Beneficiation Test

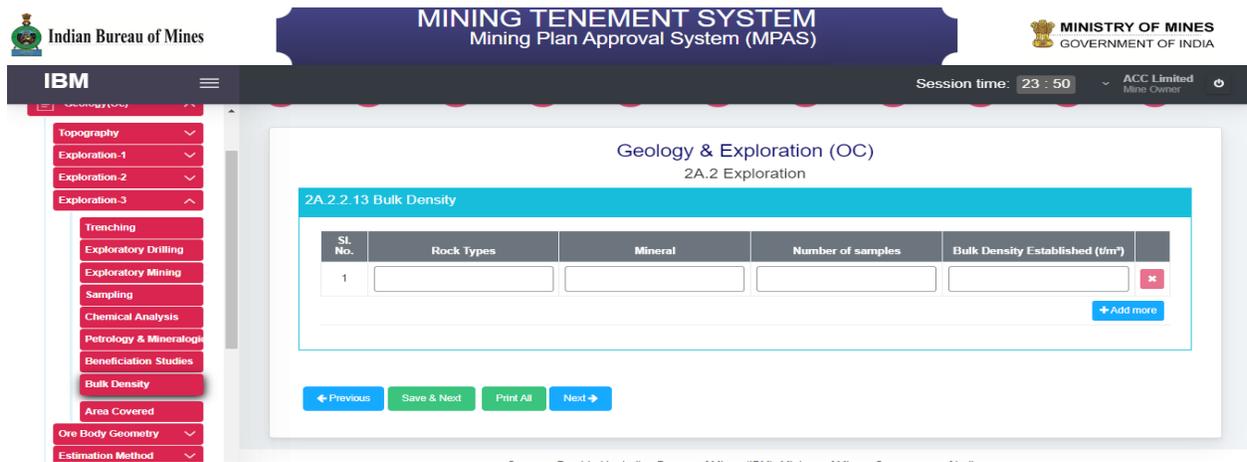
Sl. No.	Type of Beneficiation	Number of Samples	Attachment
1	--select--		Choose File No file chosen

+ Add more

← Previous Save & Next Print All Next →

2.4.8 Bulk Density:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Mining Plan Approval System (MPAS)

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GOVERNMENT OF INDIA

IBM

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ACC Limited
Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.13 Bulk Density

Sl. No.	Rock Types	Mineral	Number of samples	Bulk Density Established (t/m ³)
1				

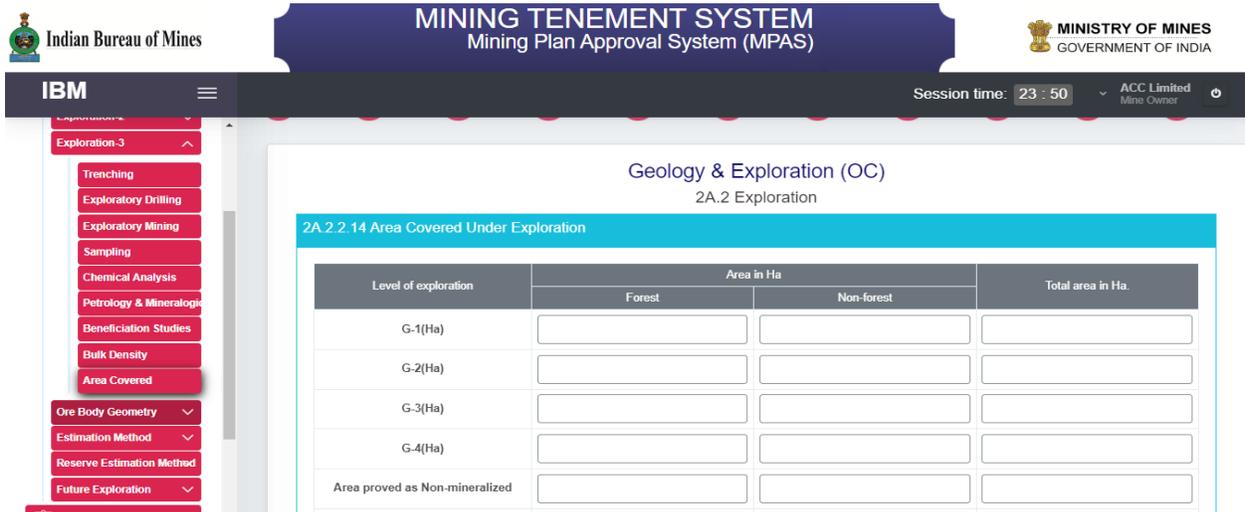
+ Add more

← Previous Save & Next Print All Next →

2.4.9 Area Covered Exploration:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.

- Click on **Save & Next** to save data and get redirected to next section.



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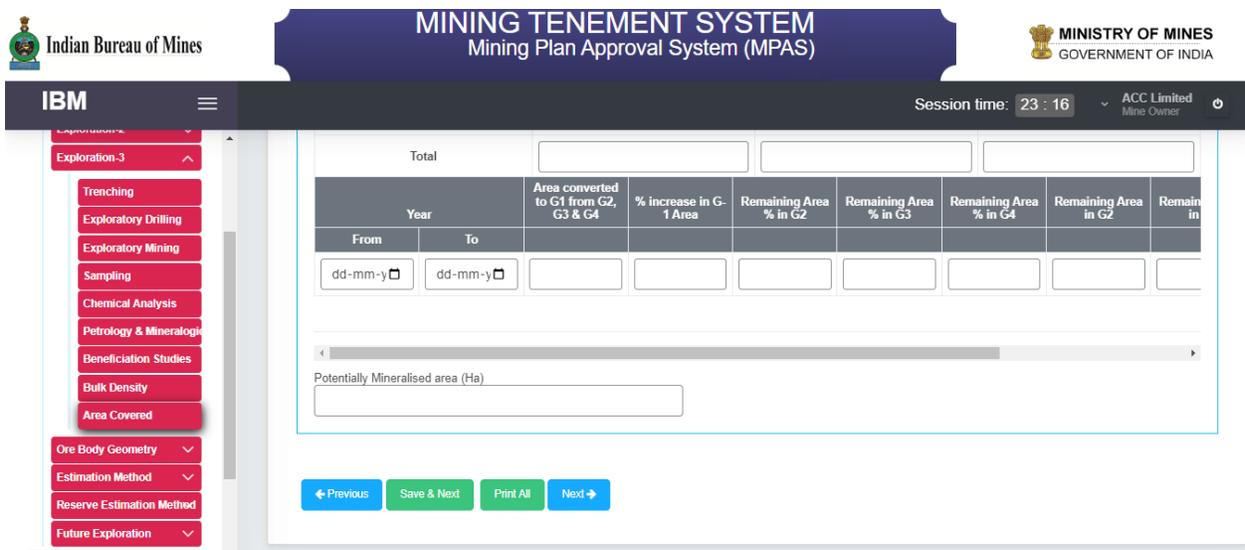
IBM

Session time: 23 : 50 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2 Exploration

2A.2.2.14 Area Covered Under Exploration

Level of exploration	Area in Ha		Total area in Ha.
	Forest	Non-forest	
G-1(Ha)	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-2(Ha)	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-3(Ha)	<input type="text"/>	<input type="text"/>	<input type="text"/>
G-4(Ha)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Area proved as Non-mineralized	<input type="text"/>	<input type="text"/>	<input type="text"/>



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Mining Plan Approval System (MPAS)

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Total

Year		Area converted to G1 from G2, G3 & G4	% increase in G-1 Area	Remaining Area % in G2	Remaining Area % in G3	Remaining Area % in G4	Remaining Area in G2	Remain in
From	To							
dd-mm-y	dd-mm-y	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Potentially Mineralised area (Ha)

← Previous Save & Next Print All Next →

2.5 Ore Body Geometry & Grade:

2.5.1 Ore Body Geometry & Grade:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 03 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Future Exploration
- Mineral Beneficiation
- Mining Operations(OC)

Geology & Exploration (OC)
2A.2 Exploration

2A.2.3 Ore Body Geometry & Grade

Sl.No	Name of the ore band	General Strike / Trend	Dip Of Mineral Body	Average Strike Length (m)	Average Width (m)	Average Depth (m)	Chemical parameter	
							Name of the radical	Min Grade (%)
1		--select--	--select--					

← Previous Save & Next Print All Next →

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Future Exploration
- Mineral Beneficiation
- Mining Operations(OC)
- Sustainable Mining
- Mine Closure Plan

Geology & Exploration (OC)
2A.2 Exploration

2A.2.3 Ore Body Geometry & Grade

Mineral body	Average Strike Length (m)	Average Width (m)	Average Depth (m)	Chemical parameters				
				Name of the radical	Min Grade (%)	Max Grade (%)	Avg Grade (%)	
ect-								*

← Previous Save & Next Print All Next →

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.6 Estimation Method:

- Estimation Method consists of 2 sections.
- Methodology & Resource Calculation.

2.6.1 Reserve / Resource Estimation Method:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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DASHBOARD | 2A.2 Exploration

2A.2.4 Reserve / Resource Estimation Method

2A.2.4.1 Methodology

Resource / Reserve Estimation Method

Plan Area Method

Methodology

Please Enter Methodology

(Total 2000 characters)

← Previous | Save & Next | Print All | Next →

https://miningplan.ibm.gov.in/MINING_PLAN_US7/ctrl/General

2.6.2 Resource Calculation:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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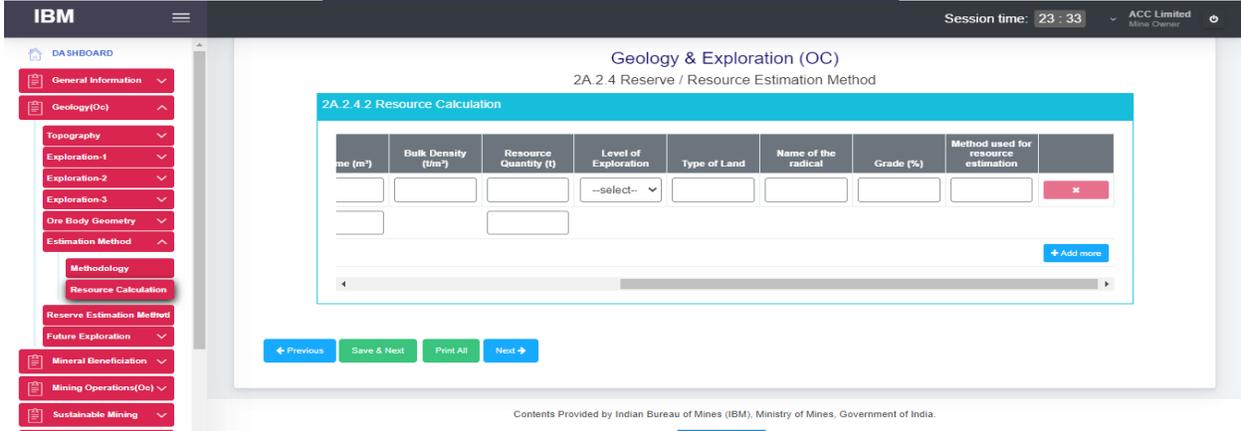
DASHBOARD | Geology & Exploration (OC)

2A.2.4 Reserve / Resource Estimation Method

2A.2.4.2 Resource Calculation

Sl. No.	Cross section/Blocks	Sectional Area/Block area (sq mtr)	Influence (m)	Depth in mtr	Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)	Level of Exploration
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--
Total :							<input type="text"/>	<input type="text"/>

← Previous | Save & Next | Print All | Next →



IBM | Session time: 23 : 33 | ACC Limited Mine Owner

DASHBOARD

Geology & Exploration (OC)
2A.2.4 Reserve / Resource Estimation Method

2A.2.4.2 Resource Calculation

Area (m ²)	Bulk Density (t/m ³)	Resource Quantity (t)	Level of Exploration	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation
<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>					

Buttons: < Previous, Save & Next, Print All, Next >

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.7 Reserve Estimation Method:

- Reserve Estimation Method consists of 5 sections.
- Reserve Estimation Method, Blocked Resources, Calculation of Reserve, Calculation of Reserve 1, Calculation of Reserve 2.

2.7.1 Reserve / Resource Estimation Method:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section



IBM | Session time: 23 : 16 | ACC Limited Mine Owner

DASHBOARD

Geology & Exploration (OC)
2A.2 Exploration

2A.2.4 Reserve / Resource Estimation Method

2A.2.4.3 : Mineral Resource Estimate for Conversion to Mineral Reserve

Please Enter Mineral Resource Estimate for Conversion to Mineral Reserve

(Total 2000 characters)

2A.2.4.4 : Threshold value & Cut off Parameters

Please Enter Threshold value & Cut off Parameter

IBM Session time: 21 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Blocked Resources
- Calculation Of Reserves
- Calculation Of Reserves
- Calculation Of Reserves

(Total 2000 characters)

2A.2.4.4 : Threshold value & Cut off Parameters

Please Enter Threshold value & Cut off Parameter

(Total 2000 characters)

2A.2.4.5 : Mining Factors or Assumptions

Please Enter Mining Factors or Assumptions

(Total 2000 characters)

2A.2.4.6 : Metallurgical Factors or Assumptions

Please Enter Metallurgical Factors or Assumptions

IBM Session time: 21 : 31 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Blocked Resources
- Calculation Of Reserves
- Calculation Of Reserves
- Calculation Of Reserves

(Total 2000 characters)

2A.2.4.9 : Other Modifying Factors

Please Enter Other Modifying Factors

(Total 2000 characters)

2A.2.4.10 : Classification

Please Enter Classification

(Total 2000 characters)

[← Previous](#)
[Save & Next](#)
[Print All](#)
[Next →](#)

2.7.2 Calculation of Resource Block:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 52 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2.4 Reserve / Resource Estimation Method

2A.2.4.11 Calculation of blocked resources

Sl. No.	Reserves blocked due to	Cross section/Blocks	Sectional Area/Block area (sq mtr)	Influence (m)	Depth in mtr	Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)
1	--select--							
Total :								

← Previous Save & Next Print All Next →

IBM Session time: 23 : 48 ACC Limited Mine Owner

Geology & Exploration (OC)
2A.2.4 Reserve / Resource Estimation Method

2A.2.4.11 Calculation of blocked resources

Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)	UNFC code	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation	
			--select--					✖

+ Add more

← Previous Save & Next Print All Next →

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2.7.3 Calculation of Reserve 1:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 44 ACC Limited Mine Owner

Topography

Exploration-1

Exploration-2

Exploration-3

Ore Body Geometry

Estimation Method

Reserve Estimation Method

Reserve Estimation Method

Blocked Resources

Calculation Of Reserves

Calculation Of Reserves

Calculation Of Reserves

Future Exploration

Mineral Beneficiation

Geology & Exploration (OC)
2A.2.4 Reserve / Resource Estimation Method

2A.2.4.12 Calculation of Reserves -I

Sl. No.	Cross section/Blocks	Sectional Area/Block area (sq mtr)	Influence (m)	Depth in mtr	Volume (m ³)	Bulk Density (t/m ³)	Reserves Quantity (t)	UNFC code
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--
Total :							<input type="text"/>	<input type="text"/>

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DASHBOARD

General Information

Geology(Oc)

Topography

Exploration-1

Exploration-2

Exploration-3

Ore Body Geometry

Estimation Method

Reserve Estimation Method

Reserve Estimation Method

Blocked Resources

Calculation Of Reserves

Calculation Of Reserves

Calculation Of Reserves

Future Exploration

Mineral Beneficiation

Geology & Exploration (OC)
2A.2.4 Reserve / Resource Estimation Method

2A.2.4.12 Calculation of Reserves -I

Volume (m ³)	Bulk Density (t/m ³)	Reserves Quantity (t)	UNFC code	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation
<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>					<input type="text"/>

[+ Add more](#)

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Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

2.7.4 Calculation of Reserve II:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

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- [General Information](#)
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- [Ore Body Geometry](#)
- [Estimation Method](#)
- [Reserve Estimation Method](#)
- [Reserve Estimation Method](#)
- [Blocked Resources](#)
- [Calculation Of Reserves](#)
- [Calculation Of Reserves](#)
- [Calculation Of Reserves](#)

Geology & Exploration (OC)

2A.2.4 Reserve / Resource Estimation Method

2A.2.4.13 Calculation of Reserves -II

Mineral: Reserves/ Resources estimated as on: UNIT of estimation:

A. Mineral Reserve

Classification	Code	Quantity			Grade		Remark
		Forest	Non-Forest	Total	Forest	Non-Forest	
1. Proved Mineral Reserve (A)	111	<input type="text"/>					

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- [Calculation Of Reserves](#)
- [Calculation Of Reserves](#)

MINING TENEMENT SYSTEM

Mining Plan Approval System (MPAS)

B. Remaining Resources

Classification	Code	Quantity			Grade		Remark
		Forest	Non-Forest	Total	Forest	Non-Forest	
3. Probable Mineral Reserve (A)	122	<input type="text"/>					
1. Feasibility Mineral Resource (B)	211	<input type="text"/>					
2. Prefeasibility Mineral Resource (B)	221	<input type="text"/>					

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- [Calculation Of Reserves](#)

MINING TENEMENT SYSTEM

Mining Plan Approval System (MPAS)

5. Indicated Mineral Resource (B)	332	<input type="text"/>					
6. Inferred Mineral Resource (B)	333	<input type="text"/>					
7. Reconnaissance Mineral Resource (B)	334	<input type="text"/>					
Total Mineral Resources (A+B)		<input type="text"/>			<input type="text"/>		

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2.7.5 Calculation of Reserve III:

- Click on + option to open form



Indian Bureau of Mines | MINING TENEMENT SYSTEM | Mining Plan Approval System (MPAS) | MINISTRY OF MINES | GOVERNMENT OF INDIA

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DASHBOARD

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- Reserve Estimation Method
- Blocked Resources
- Calculation Of Reserves
- Calculation Of Reserves
- Calculation Of Reserves

Mining Plan Approval System (MPAS)

2A.2.4.13 Calculation of Reserves -III
2A.2.4 Reserve / Resource Estimation Method

ASSOCIATED MINERAL (CLAY (OTHERS))

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DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Reserve Estimation Method
- Blocked Resources
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- Calculation Of Reserves
- Calculation Of Reserves

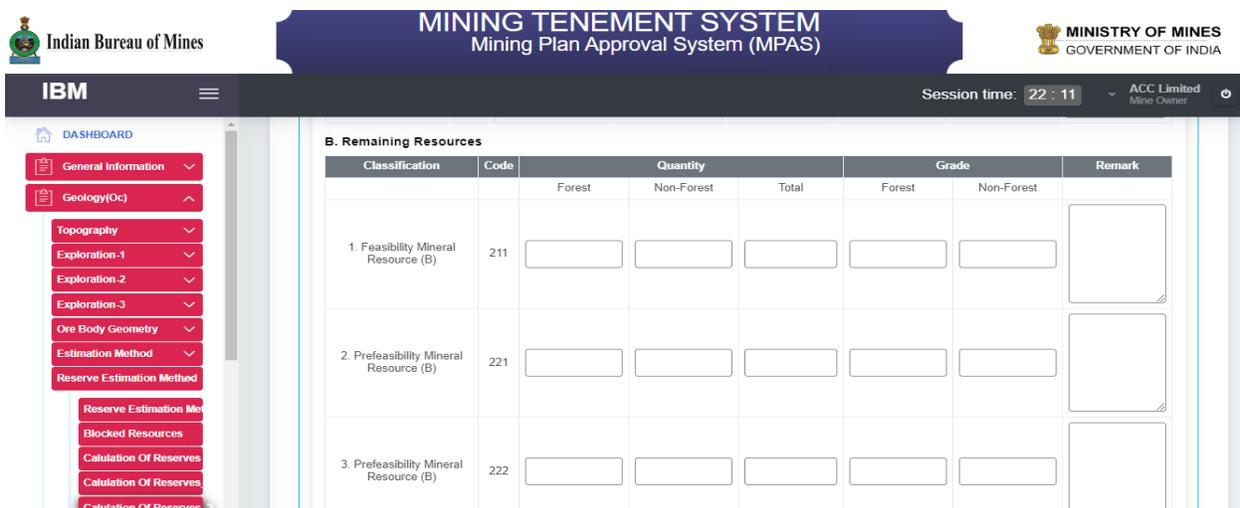
2A.2.4.13 Calculation of Reserves -III

ASSOCIATED MINERAL (CLAY (OTHERS))

Mineral: CLAY (OTHERS) | Reserves/ Resources estimated as on: dd-mm-yyyy | UNIT of estimation: tonnes

A. Mineral Reserve

Classification	Code	Quantity			Grade		Remark
		Forest	Non-Forest	Total	Forest	Non-Forest	
1. Proved Mineral Reserve (A)	111	<input type="text"/>					



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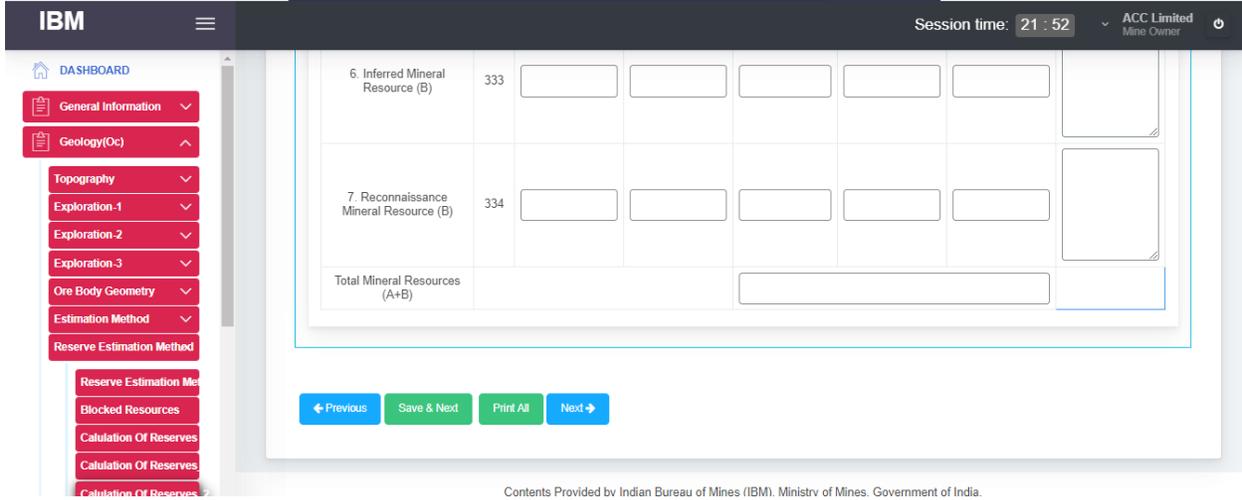
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DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Reserve Estimation Method
- Blocked Resources
- Calculation Of Reserves
- Calculation Of Reserves
- Calculation Of Reserves

B. Remaining Resources

Classification	Code	Quantity			Grade		Remark
		Forest	Non-Forest	Total	Forest	Non-Forest	
1. Feasibility Mineral Resource (B)	211	<input type="text"/>					
2. Prefeasibility Mineral Resource (B)	221	<input type="text"/>					
3. Prefeasibility Mineral Resource (B)	222	<input type="text"/>					



The screenshot shows the IBM Mining Tenement System (MPAS) interface. On the left is a sidebar menu with options like 'General Information', 'Geology(Oc)', 'Topography', and 'Exploration-1' through 'Exploration-3'. The main area displays a table with the following data:

6. Inferred Mineral Resource (B)	333	<input type="text"/>					
7. Reconnaissance Mineral Resource (B)	334	<input type="text"/>					
Total Mineral Resources (A+B)		<input type="text"/>					

At the bottom of the table area, there are four buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'. The session time is 21:52 and the user is ACC Limited Mine Owner.

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- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

2.8 Future Exploration:

- Future Exploration consists of 8 sections.
- Geological Mapping, Ground Geophysical, Pitting, Trenching, Exploratory Drilling, Exploratory Mining, Sampling & Petrographic Studies.

2.8.1 Geological Mapping:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Future Exploration
- Geological Mapping
- Ground Geophysical
- Pitting
- Trenching

Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.1 Geological Mapping

Sl. No.	Year	Scale	Area Covered (Ha)
1	--select--	--select--	<input type="text"/>

[+ Add more](#)

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2.8.2 Ground Geophysical Survey:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

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DASHBOARD

- General Information
- Geology(Oc)
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- Exploration-2
- Exploration-3
- Ore Body Geometry
- Estimation Method
- Reserve Estimation Method
- Future Exploration
- Geological Mapping
- Ground Geophysical
- Pitting

Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.2 Ground Geophysical Survey

Sl. No.	Year	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:
						From	To	From
1	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss

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Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.2 Ground Geophysical Survey

Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		
				From	To	From	To	
ect--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="button" value="✖"/>

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Mail nic@nic.gov.in

2.8.3 Pitting:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

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Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.3 Pitting

Number of Pits

Sl. No.	Year	Land type	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Latitude (dd:mm:ss.ss)	
							From	To
1	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>

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DASHBOARD

- General Information
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- Future Exploration
- Geological Mapping
- Ground Geophysical
- Pitting
- Trenching
- Exploratory Drilling
- Exploratory Mining

Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.3 Pitting

Number of Pits

Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		
				From	To	From	To	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>	✖
+ Add more								

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2.8.4 Trenching:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
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- Ground Geophysical
- Pitting
- Trenching
- Exploratory Drilling
- Exploratory Mining

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

2A.2.5.4 Trenching

Number of Trenches

2A.2.5.4.1 : SPACING

Min (m) Max (m) Avg (m)

2A.2.5.4.2 : Area Covered Under Trenching

Sl. No.	year	Land type	Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench (m)	Latitude (dd:mm:ss.ss)	
							From	To
1	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="dd:mm:ss.ss"/>	<input type="text" value="dd:mm:ss.ss"/>

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2A.2.5.4 Trenching

Number of Trenches
Please Enter Number of Trenches

2A.2.5.4.1 : SPACING

Min (m) Max (m) Avg (m)
Please Enter Min(m) Please Enter Max(m) Please Enter Avg(m)

2A.2.5.4.2 : Area Covered Under Trenching

Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		
				From	To	From	To	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				

[+ Add more](#)

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[Save & Next](#)
[Print All](#)
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2.8.5 Exploratory Drilling (Core/Non Core):

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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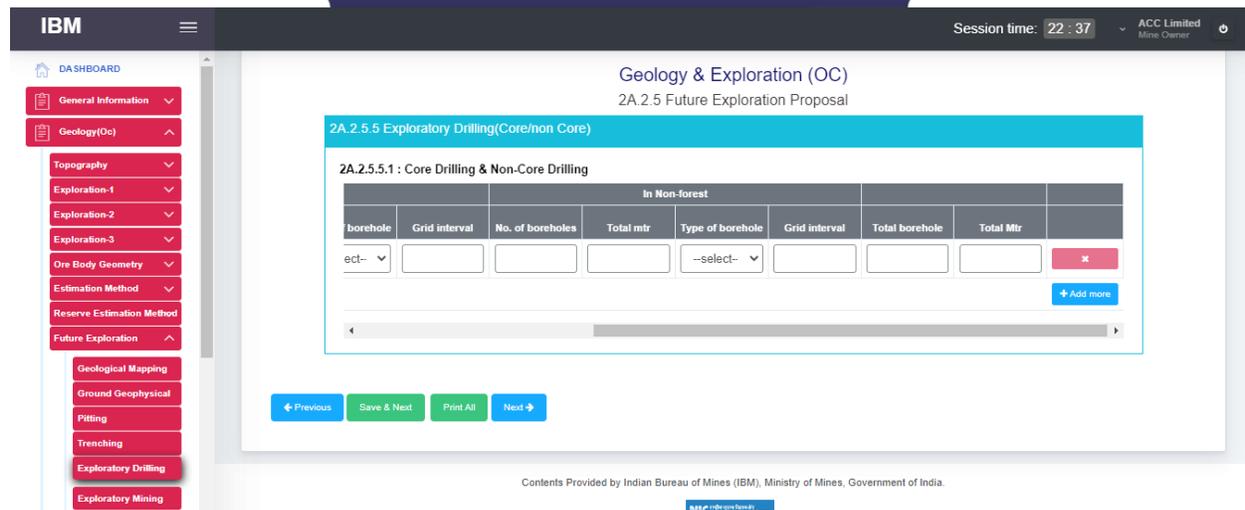
Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.5 Exploratory Drilling(Core/non Core)

2A.2.5.5.1 : Core Drilling & Non-Core Drilling

Sl.No	Year	In forest area				In Non-forest		
		Number of boreholes	Total mtr	Type of borehole	Grid interval	No. of boreholes	Total mtr	Type of borehole
1	--select--	<input type="text"/>	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	--select--

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DASHBOARD

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- Exploration-2
- Exploration-3
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 - Trenching
 - Exploratory Drilling
 - Exploratory Mining

Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.5 Exploratory Drilling(Core/non Core)

2A.2.5.5.1 : Core Drilling & Non-Core Drilling

In Non-forest								
borehole	Grid interval	No. of boreholes	Total mtr	Type of borehole	Grid interval	Total borehole	Total Mtr	
ect-				--select--				<input type="button" value="x"/>
<input type="button" value="+ Add more"/>								

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2.8.6 Exploratory Mining:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.6 Exploratory Mining

Sl. No.	Year	Pit/Adit ID	Length in Mtr	Width in Mtr	Depth in mtrs	Volume (m ³)	
1	--sele						<input type="button" value="x"/>
<input type="button" value="+ Add more"/>							

2.8.7 Sampling:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

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Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

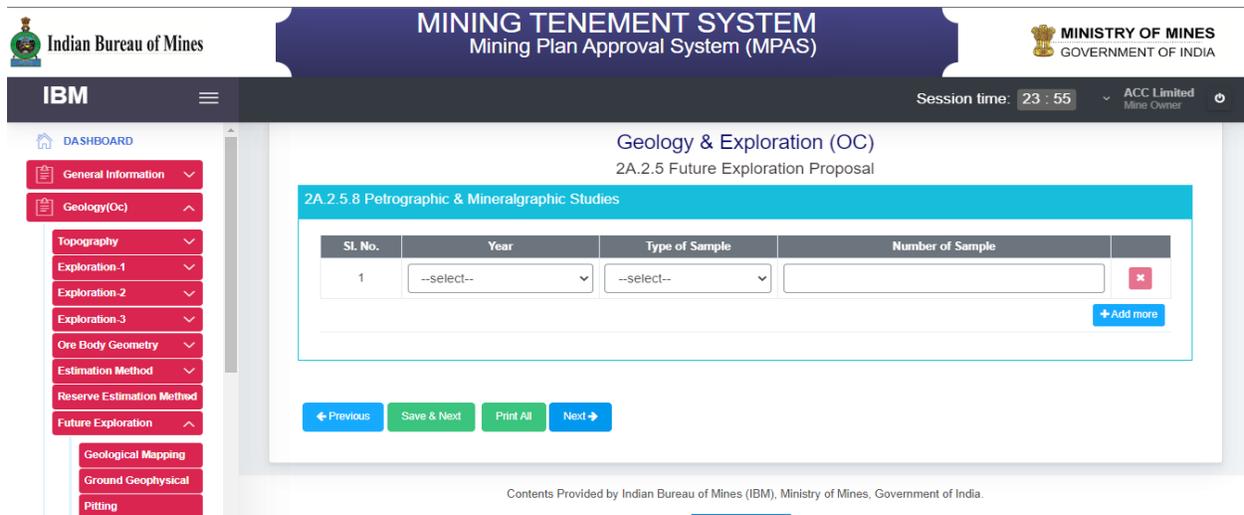
2A.2.5.7 Sampling

Sl.No	Year	Type of sample	Number of samples	Area Covered (ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	--select--	--select--			dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss

Buttons: Previous, Save & Next, Print All, Next

2.8.8 Petrographic & Mineralgraphic Studies:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Geology & Exploration (OC)
2A.2.5 Future Exploration Proposal

2A.2.5.8 Petrographic & Mineralgraphic Studies

Sl. No.	Year	Type of Sample	Number of Sample
1	--select--	--select--	

Buttons: Previous, Save & Next, Print All, Next, Add more

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3) 2B Geology (UG)

- Please refer 2 2A Geology (OC) for this section.

4) Mineral Beneficiation

Mineral Beneficiation consists of 8 sections:

- 1) Mineralogy
- 2) Chemical Analysis
- 3) Crushing Section
- 4) Grinding Section
- 5) Dry Processing
- 6) Wet Processing
- 7) Product Quality
- 8) Disposal Method

4.1 Mineralogy:

4.1.1 Mineralogy of ROM ore / Mineral:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
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IBM

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ACC Limited

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mineralogy
- Mineralogy
- Chemical Analysis
- Crushing Section
- Grinding Section
- Dry Processing
- Wet Processing
- Product Quality
- Disposal Method
- Mining Operations(Oc)

Mineral Beneficiation

3.1 Mineralogy Of ROM Ore / Mineral

Name of The Ore/Mineral

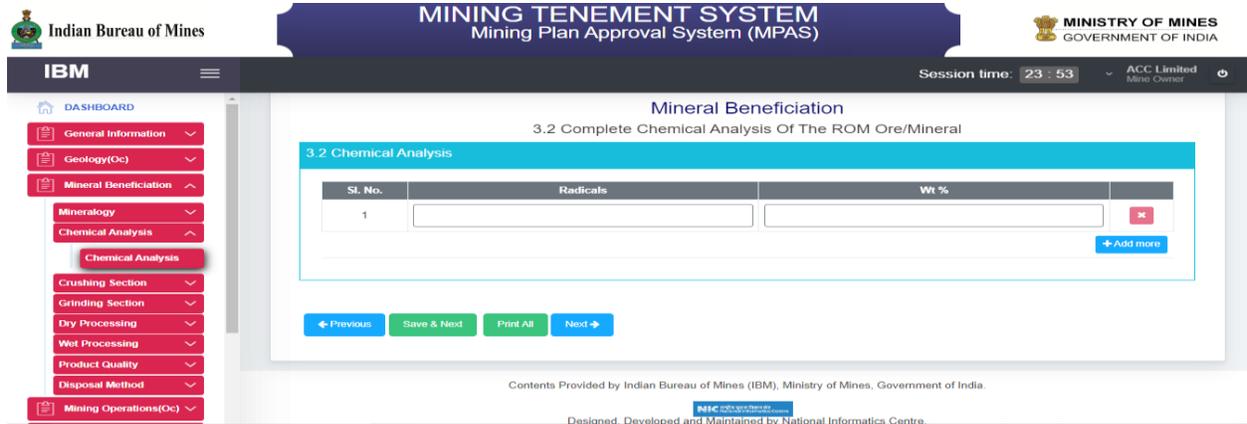
S. No.	Valuable Mineral Name	Approx. Mineral %	Gangue Mineral/s Name	Approx. Gangue Mineral %
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.2 Chemical Analysis:

4.2.1 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.

- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



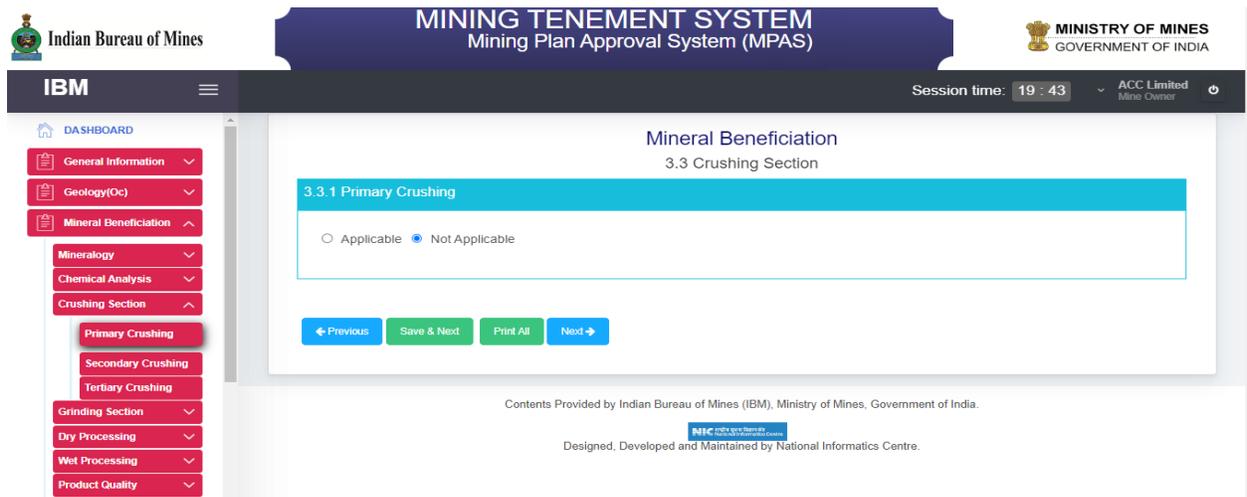
The screenshot shows the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The main content area is titled 'Mineral Beneficiation' and '3.2 Complete Chemical Analysis Of The ROM Ore/Mineral'. Below this, there is a sub-section '3.2 Chemical Analysis' with a table for data entry. The table has columns for 'Sl. No.', 'Radicals', and 'Wt %'. A single row is visible with '1' in the 'Sl. No.' column. Below the table are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'. A footer note states: 'Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India. Designed, Developed and Maintained by National Informatics Centre.'

4.3 Crushing Section:

- Crushing Section consists of 3 sections.
- Primary Crushing, Secondary Crushing & Tertiary Crushing.

4.3.1 Primary Crushing:

- Two options are given Applicable & Not Applicable.
- If **Not Applicable** is selected then form is not available, click on **Save & Next** to proceed further.



The screenshot shows the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The main content area is titled 'Mineral Beneficiation' and '3.3 Crushing Section'. Below this, there is a sub-section '3.3.1 Primary Crushing' with a form containing two radio buttons: 'Applicable' and 'Not Applicable'. The 'Not Applicable' option is selected. Below the form are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'. A footer note states: 'Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India. Designed, Developed and Maintained by National Informatics Centre.'



- If Applicable is selected then form is available to fill data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 37 ACC Limited Mine Owner

DASHBOARD

General Information

Geology(Oc)

Mineral Beneficiation

Mineralogy

Chemical Analysis

Crushing Section

Primary Crushing

Secondary Crushing

Tertiary Crushing

Grinding Section

Dry Processing

Wet Processing

Product Quality

Mineral Beneficiation
3.3 Crushing Section

3.3.1 Primary Crushing

Applicable Not Applicable

Sl. No.	Type of Crusher	Make	Capacity of Crusher (tph)	Feed Size (mm)	Product Size (mm)
1	--select--				

+ Add more

← Previous Save & Next Print All Next →

4.3.2 Secondary Crushing:

- Please refer **3.3.1 Primary Crushing**.

4.3.3 Tertiary Crushing:

- Please refer **3.3.1 Primary Crushing**.

4.4 Grinding Section:

4.4.1 Dry Grinding:

- Please refer **3.3.1 Primary Crushing**.

4.4.2 Wet Grinding:

- Please refer **3.3.1 Primary Crushing**.

4.5 Dry Processing:

4.5.1 Screening & Classification:

- Please refer **3.3.1 Primary Crushing**.

4.5.2 Other Operations:

- Please refer **3.3.1 Primary Crushing**.

4.5.3 Product Quality:

- Please refer **3.3.1 Primary Crushing**.

4.6 Wet Processing:

- Wet Processing consists of 7 sections.
- Scrubbing/Washing, Screening/Classification, Gravity Separation, Magnetic Separation, Flotation, Other Operation & Product Quality.

4.6.1 Scrubbing / Washing:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

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Session time: 23 : 51 ACC Limited
Mines Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
 - Mineralogy
 - Chemical Analysis
 - Crushing Section
 - Grinding Section
 - Dry Processing
 - Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation

Mineral Beneficiation
3.6 Wet Processing
3.6.1 Scrubbing / Washing

Sr No	Type of Scrubbers / washers	Stages, if applicable	Make	Capacity (tph)	Feed Size (mm)	Product Size (mm)	Product quality (if applicable)	Water Requirement (l/h)
1		--select--						

← Previous Save & Next Print All Next →

IBM Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
 - Mineralogy
 - Chemical Analysis
 - Crushing Section
 - Grinding Section
 - Dry Processing
 - Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation
 - Flotation
 - Other Operations
 - Product Quality

Mineral Beneficiation
3.6 Wet Processing

3.6.1 Scrubbing / Washing

Slake	Capacity (tph)	Feed Size (mm)	Product Size (mm)	Product quality (if applicable)	Water Requirement (t/h)	Fresh Water Requirement (t/h)	Recirculated water (t/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	✖
+ Add more								

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4.6.2 Screening and Classification:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

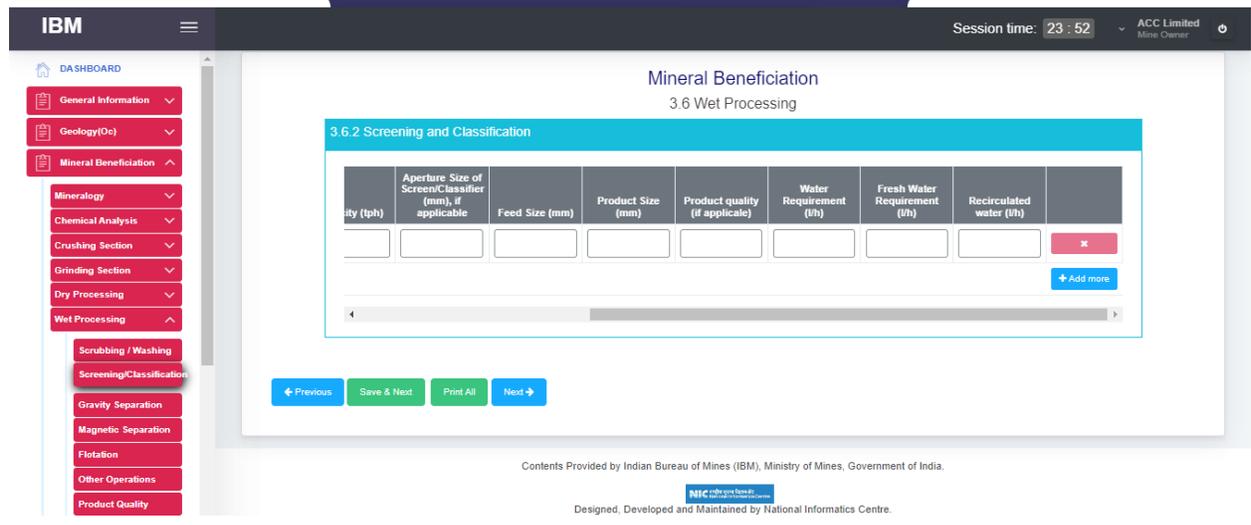
- General Information
- Geology(Oc)
- Mineral Beneficiation
 - Mineralogy
 - Chemical Analysis
 - Crushing Section
 - Grinding Section
 - Dry Processing
 - Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation

Mineral Beneficiation
3.6 Wet Processing

3.6.2 Screening and Classification

Sl. No.	Type of screen / classifiers	Stages, if applicable	Make	Capacity (tph)	Aperture Size of Screen/Classifier (mm), if applicable	Feed Size (mm)	Product Size (mm)	Product quality (if applicable)
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Mineral Beneficiation
3.6 Wet Processing

3.6.2 Screening and Classification

Capacity (tph)	Aperture Size of Screen/Classifier (mm), if applicable	Feed Size (mm)	Product Size (mm)	Product quality (if applicable)	Water Requirement (t/h)	Fresh Water Requirement (t/h)	Recirculated water (t/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Buttons: Previous, Save & Next, Print All, Next

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4.6.3 Gravity Separation:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Mineral Beneficiation
3.6 Wet Processing

3.6.3 Gravity Separation

Sl. No.	Type of separators (fig, table, spiral, etc.)	Stages, if applicable	Make	Capacity (tph)	Feed Size (mm)	Product (Conc) (tph)	Product Mid (tph), if available	Product Tail (tph)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Buttons: Previous, Save & Next, Print All, Next

IBM Session time: 23 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mineralogy
- Chemical Analysis
- Crushing Section
- Grinding Section
- Dry Processing
- Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation
 - Flotation
 - Other Operations
 - Product Quality

Mineral Beneficiation
3.6 Wet Processing

3.6.3 Gravity Separation

Capacity (tph)	Feed Size (mm)	Product (Conc) (tph)	Product-Mid (tph), if available	Product-Tail (tph)	Water Requirement (t/h)	Fresh Water Requirement (t/h)	Recirculated water (t/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*
+ Add more								

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4.6.4 Magnetic Separation:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mineralogy
- Chemical Analysis
- Crushing Section
- Grinding Section
- Dry Processing
- Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation

Mineral Beneficiation
3.6 Wet Processing

3.6.4 Magnetic Separation

Sl. No.	Type of magnetic separators (magnetic intensity)	Stages, if applicable	Make	Capacity (tph)	Feed Size (mm)	Product-Mag (tph)	Product-Mid (tph), if available	Product non-Mag (tph)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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IBM Session time: 23 : 48 ACC Limited Mine Owner

Mineral Beneficiation
3.6 Wet Processing

3.6.4 Magnetic Separation

Capacity (tph)	Feed Size (mm)	Product-Mag (tph)	Product-Mid (tph), if available	Product non-Mag (tph)	Water Requirement (l/h)	Fresh Water Requirement (l/h)	Recirculated water (l/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="x"/>
<input type="button" value="+ Add more"/>								

4.6.5 Flotation:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 43 ACC Limited Mine Owner

Mineral Beneficiation
3.6 Wet Processing

3.6.5 Flotation

Sl. No.	Type of flotation equipment (froth/ column)	Stages (rougher/ cleaner, etc), if applicable	Make	Capacity (tph)	Feed Size (mm)	Product-Float (tph)	Product non-Float (tph)	Water Requirement (l/h)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

IBM Session time: 23 : 15 ACC Limited Mine Owner

- Chemical Analysis
- Crushing Section
- Grinding Section
- Dry Processing
- Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation
 - Flotation
 - Other Operations
 - Product Quality
 - Product Quality
 - Disposal Method
 - Mining Operations(Oc)

Mineral Beneficiation

3.6 Wet Processing

3.6.5 Flotation

Make	Capacity (tph)	Feed Size (mm)	Product-Float (tph)	Product non-Float (tph)	Water Requirement (l/h)	Fresh Water Requirement (l/h)	Recirculated water (l/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	✖
+ Add more								

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4.6.6 Other Operations:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 53 ACC Limited Mine Owner

- Wet Processing
 - Scrubbing / Washing
 - Screening/Classification
 - Gravity Separation
 - Magnetic Separation
 - Flotation
 - Other Operations
 - Product Quality
 - Product Quality
 - Disposal Method
 - Mining Operations(Oc)
 - Sustainable Mining
 - Mine Closure Plan
 - Financial Assurance

Mineral Beneficiation

3.6 Wet Processing

3.6.6 Other Operations

Sl. No.	Type of equipment / operation	Stages, if applicable	Make	Capacity (tph)	Feed Size (mm)	Product-Conc (tph)	Product-Mid (tph), if available	Product-Tail (tph)
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>				

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IBM Session time: 23 : 40 ACC Limited Mine Owner

Mineral Beneficiation
3.6 Wet Processing

3.6.6 Other Operations

Capacity (tph)	Feed Size (mm)	Product-Conc (tph)	Product-Mid (tph), if available	Product-Tail (tph)	Water Requirement (l/h)	Fresh Water Requirement (l/h)	Recirculated water (l/h)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="✖"/>
<input type="button" value="+ Add more"/>								

4.6.7 Product Quality:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 56 ACC Limited Mine Owner

Mineral Beneficiation
3.6 Wet Processing

3.6.7 Product Quality

Products	Wt %	In tonnes	Size (range) mm	Complete chemical analysis
Concentrate	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sub-grade	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rejects	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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4.7 Product Quality:

4.7.1 Overall Product Quality:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 15

Mineral Beneficiation
3.7 Overall Product Quality

Products	Wt %	In tonnes	Size (range) mm	Complete chemical analysis
Concentrate	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sub-grade	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rejects	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4.8 Disposal Method:

4.8.1 Disposal Method for tailing rejects:

- Upload PDF format file in this section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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Mineral Beneficiation
3.8 Disposal Method For Tailing/ Rejects

3.8 Disposal Method for tailing/ rejects

a) Explain the disposal method for tailing or reject from processing plant with detail chemical / mineral analysis of tailing No file chosen
Only PDF file with max 5mb size

b) Size and capacity of tailing pond, toxic effect of such tailings, process adopted to neutralise its effect (if any) No file chosen
Only PDF file with max 5mb size

c) Any other data (if available) No file chosen
Only PDF file with max 5mb size

3.9 Overall water requirement of mining and mineral processing

IBM Session time: 21 : 41 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Mineral Beneficiation
- Mineralogy
 - Chemical Analysis
 - Crushing Section
 - Grinding Section
 - Dry Processing
 - Wet Processing
 - Product Quality
 - Disposal Method
- Mining Operations(OC)

3.9 Overall water requirement of mining and mineral processing

Indicate quantity, source of supply, disposal of water and extent of recycling and chemical analysis of water No file chosen
Only PDF file with max 5mb size.

3.10 Flow Sheets And Charts

Material balance chart of mineral processing plant(s) (each stage of process) No file chosen
Only PDF file with max 5mb size.

Attach flow sheet of beneficiation of plant(s) No file chosen
Only PDF file with max 5mb size.

Any other data (if applicable) No file chosen
Only PDF file with max 5mb size.

◀ Previous Save & Next Print All Next ▶

5) 4A Mining Operation (OC)

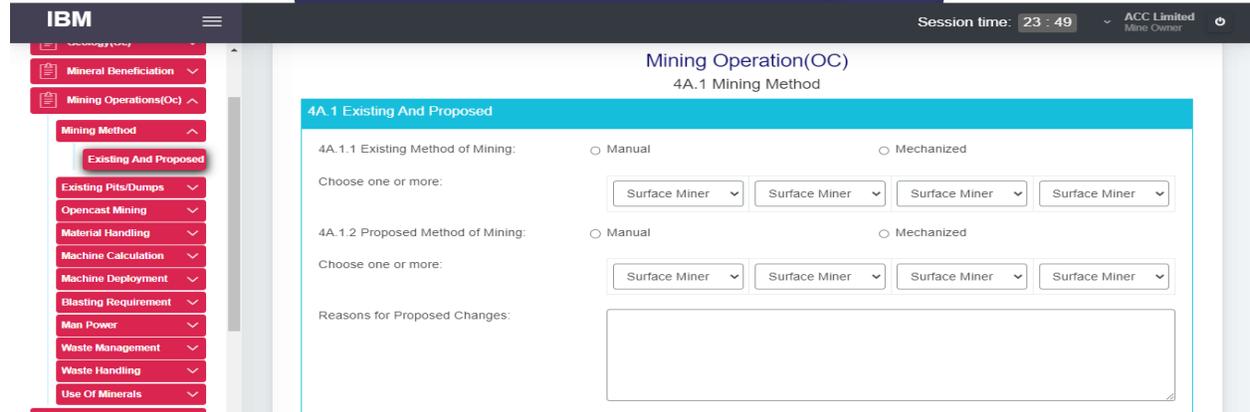
Mining Operation (OC) consists of 11 sections:

- 1) Mining Method
- 2) Existing Pit / Dumps
- 3) Opencast Mining
- 4) Material Handling
- 5) Machine Calculation
- 6) Machine Deployment
- 7) Blasting Requirement
- 8) Man Power
- 9) Waste Management
- 10) Waste Handling
- 11) Use of Minerals

5.1 Mining Method:

5.1.1 Disposal Method for tailing rejects:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Mining Operation(OC)
4A.1 Mining Method

4A.1 Existing And Proposed

4A.1.1 Existing Method of Mining: Manual Mechanized

Choose one or more:

4A.1.2 Proposed Method of Mining: Manual Mechanized

Choose one or more:

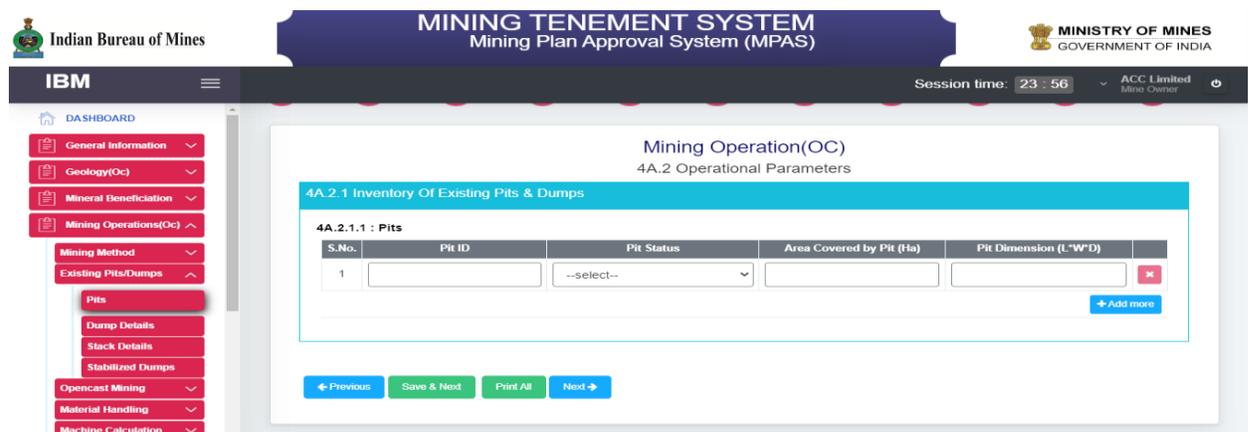
Reasons for Proposed Changes:

5.2 Existing Pits/Dumps:

- Existing Pits/Dumps consists of 4 sections.
- Pits, Dump Details, Stack Details & Stabilized Dumps.

5.2.1 Pits:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
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Mining Operation(OC)
4A.2 Operational Parameters

4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.1 : Pits

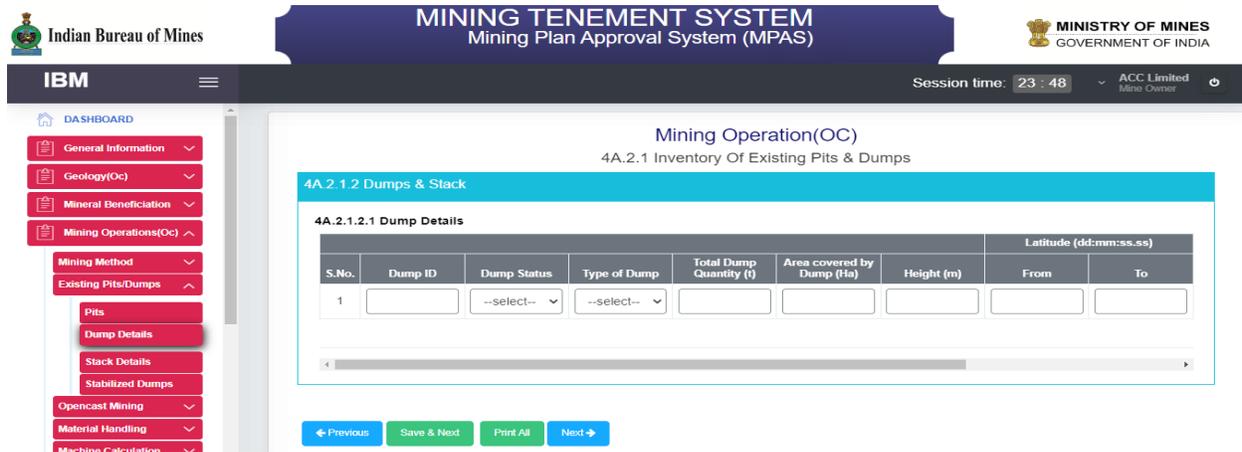
S.No.	Pit ID	Pit Status	Area Covered by Pit (Ha)	Pit Dimension (L*W*D)
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>

[+ Add more](#)

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5.2.2 DumpDetails:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 48 | ACC Limited Mine Owner

IBM | DASHBOARD

- General Information
- Geology(OC)
- Mineral Beneficiation
- Mining Operations(OC)
 - Mining Method
 - Existing Pits/Dumps
 - Pits
 - Dump Details
 - Stack Details
 - Stabilized Dumps
 - Opencast Mining
 - Material Handling
 - Machine Calculation

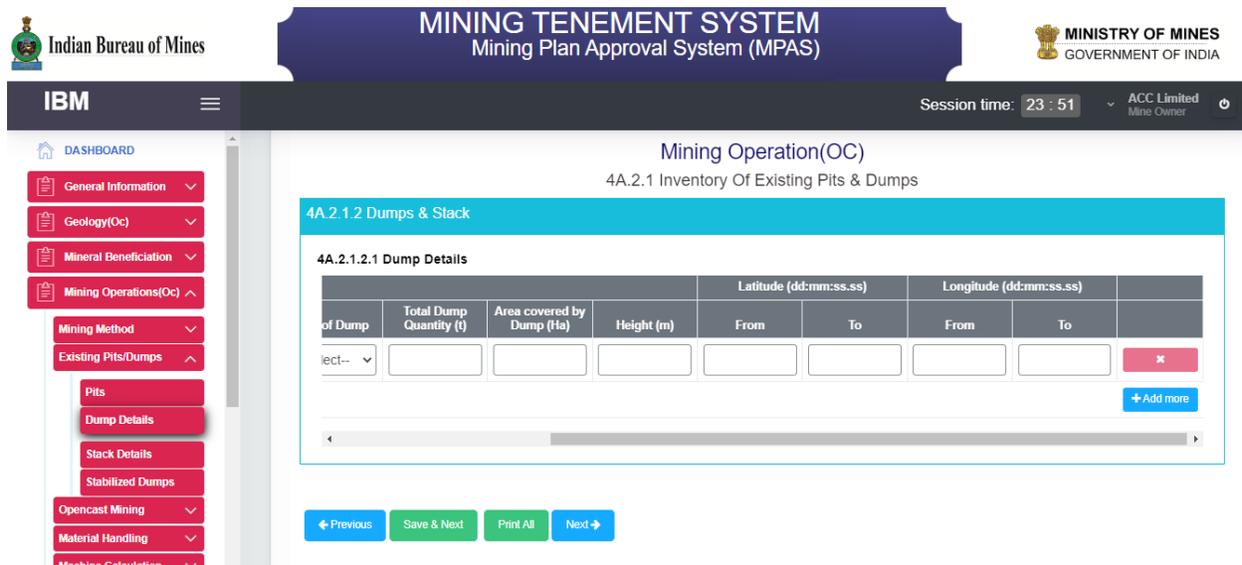
Mining Operation(OC)
4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.2 Dumps & Stack

4A.2.1.2.1 Dump Details

S.No.	Dump ID	Dump Status	Type of Dump	Total Dump Quantity (t)	Area covered by Dump (Ha)	Height (m)	Latitude (dd:mm:ss.ss)	
							From	To
1	<input type="text"/>	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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IBM | DASHBOARD

- General Information
- Geology(OC)
- Mineral Beneficiation
- Mining Operations(OC)
 - Mining Method
 - Existing Pits/Dumps
 - Pits
 - Dump Details
 - Stack Details
 - Stabilized Dumps
 - Opencast Mining
 - Material Handling
 - Machine Calculation

Mining Operation(OC)
4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.2 Dumps & Stack

4A.2.1.2.1 Dump Details

S.No.	Type of Dump	Total Dump Quantity (t)	Area covered by Dump (Ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.2.3 Stack Details:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

Mining Operation(OC)
4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.2 Dumps & Stack

4A.2.1.2.2 Stack Details

S.No.	Stack ID	Type of Stack	Total Stack Quantity (t)	Area covered by Stack (Ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (d
						From	To	From
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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DASHBOARD

Mining Operation(OC)
4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.2 Dumps & Stack

4A.2.1.2.2 Stack Details

Type of Stack	Total Stack Quantity (t)	Area covered by Stack (Ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		
				From	To	From	To	
ect--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.2.4 Details of Stabilized Dumps:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

Mining Operation(OC)
4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.3 Details of Stabilized Dumps

SL.No.	Dump ID	Number of Terraces	Average Height of Terraces (m)	Length of Toe Wall (m)	Length of Garland Drain (m)	Area Stabilized (ha)	Method of Stabilization	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	✖

[+ Add more](#)

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5.3 Opencast Mining:

- Opencast Mining consists of 4 sections.
- Bench Parameter, Yearwise Data, Yearwise Data1 & Transportation.

5.3.1 Bench Parameter:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

Indian Bureau of Mines MINISTRY OF MINES
GOVERNMENT OF INDIA

Mining Operation(OC)
4A.2.2 Opencast Mining

4A.2.2.1 Bench Parameters

Pit Id	Year	Max Height of the Benches in Over Burden (m)	Min Width of the Benches in Over Burden (m)	Slope of the Bench in Over Burden (degree)	Max Height of the Benches in Mineral (m)	Minimum Width of the Benches in Mineral (m)	Slope of the Bench in Mineral (degree)	Over Pit
<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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IBM Session time: 22 : 09 ACC Limited Mine Owner

Mining Operation(OC)
4A.2.2 Opencast Mining

4A.2.2.1 Bench Parameters

Overall Slope of Pit (degree)	Number of Benches in Top Soil	Number of Benches in Over Burden	Number of Benches in Mineral	Max Depth of Workings (m)	Depth of Water Table (m)	Max Slope Angle of Haul Roads (1x: in)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

✖
 + Add more

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5.3.2 Yearwise Opencast Development – I Continue:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 31 ACC Limited Mine Owner

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Mining Operation (OC)
4A.2.2 Opencast Mining

4A.2.2.2 Yearwise Opencast Development - I Continue

Sr No	Year	Pit ID	Bench	Direction	Bulk Density of Overburden (BD1) (ton/m ³)	Bulk Density of Ore (BD2) (ton/m ³)	Top Soil Volume (Length x Width x Height) (m ³)	Over Burden Volume (Length x Width x Height) (m ³)
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Total :

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IBM Session time: 22 : 34 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
 - Mining Method
 - Existing Pits/Dumps
 - Opencast Mining
 - Bench Parameters
 - Yearwise Data
 - Yearwise Data1
 - Transportation
 - Material Handling

Mining Operation (OC)
4A.2.2 Opencast Mining

4A.2.2.2 Yearwise Opencast Development - I Continue

Over Burden Quantity (t)	ROM Volume (Length x Width x Height) (m ³)	ROM Quantity (t)	Recovery	Mineral Reject (t)	Production Main (t)	Production Associated (t)	Ore to OB Ratio (ton/m ³)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="✖"/>
<input type="button" value="+ Add m"/>								

5.3.3 Yearwise Opencast Development – I End:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 53 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
 - Mining Method
 - Existing Pits/Dumps
 - Opencast Mining
 - Bench Parameters
 - Yearwise Data
 - Yearwise Data1
 - Transportation
 - Material Handling
 - Machine Calculation

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Mining Operation(OC)
4A.2.2 Opencast Mining

4A.2.2.2 Yearwise Opencast Development - I End

S.No.	Year	Pit ID	Total Topsoil Volume (m ³)	Total Over Burden Volume (m ³)	Total Over Burden Quantity (t)	Total ROM Volume (m ³)	Total ROM Quantity (t)	
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="✖"/>
Total :			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="+ Add more"/>

5.3.4 Transportation & Hauling Equipment:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
 - Bench Parameters
 - Yearwise Data
 - Yearwise Data2
 - Transportation
- Material Handling
- Machine Calculation

Mining Operation(OC)
4A.2.2 Opencast Mining

4A.2.2.3 Transportation & Hauling Equipment

S.No.	Type	Make	Capacity (m3)	No. of Equipments
1	--select--			

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5.4 Material Handling:

- Material Handling consists 4 sections.
- Material Handling, Insitu Mining, Dump Working & Calculation Summary.

5.4.1 Studies Undertaken:

- Upload PDF file format.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
 - Material Handling
 - Insitu Mining
 - Dump Workings
 - Calculation Summary
 - Machine Calculation

4A.3.1 Studies Undertaken

Title	Study Undertaken	Attachment (only pdf allowed)
Blast Vibration Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Slope Stability Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Recovery Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Hydrological Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Mineral Beneficiation Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Subsidence Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Geotechnical Study Report	yes	<input type="button" value="Choose File"/> No file chosen
Any Other Study Report	yes	<input type="button" value="Choose File"/> No file chosen

IBM Session time: 22 : 26 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Material Handling
- Insitu Mining
- Dump Workings
- Calculation Summary
- Machine Calculation

Subsidence Study Report	yes	Choose File	No file chosen
Geotechnical Study Report	yes	Choose File	No file chosen
Any Other Study Report	yes	Choose File	No file chosen
Bulk Density Study Report	yes	Choose File	No file chosen

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5.4.2 Insitu Mining:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 50 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Material Handling
- Insitu Mining
- Dump Workings
- Calculation Summary

4A.3.2 Insitu Mining

Sr No	Year	Waste Quantity (t)	ROM Quantity (t)	Total Handling (t)	ROM Quantity Saleable Mineral (t)	ROM Quantity Mineral Reject (t)	One to OB Ratio (ROM Quantity / Waste Quantity)	Grade Range (%)
1	2020-20c							
2	2020-20c							
3	2020-20c							
4	2020-20c							
5	2020-20c							
Total :								

5.4.3 Dump Workings:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 54 ACC Limited Mine Owner

Mining Operation (OC)
4A.3 Material Handling Summary

4A.3.3 Dump workings

Sl. No.	Year	Dump Id	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Area (m ²)	Avg Height of Dump (m)
			From	To	From	To		
1	--select--							

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Mining Operation (OC)
4A.3 Material Handling Summary

4A.3.3 Dump workings

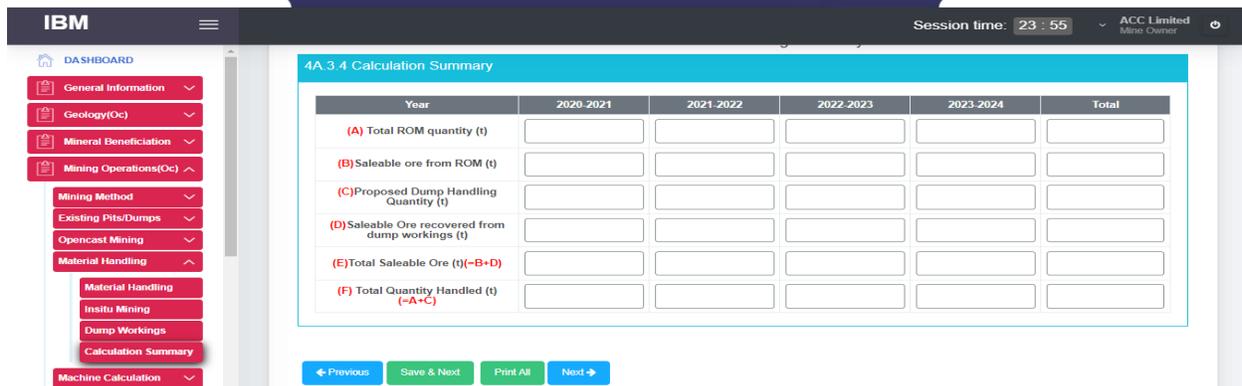
Height of mp (m)	Volume (m ³)	Total Dump Quantity (t)	Proposed Dump Handling Quantity (t) (A)	Proposed Recovery of Saleable Mineral (t)(B)	Proposed Waste Quantity (t) (A-B)	Grade Range (%)	Justification		
									✖

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5.4.4 Calculation Summary:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Session time: 23 : 55 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Mineral Beneficiation
- Mining Operations(OC)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Material Handling
- Insitu Mining
- Dump Workings
- Calculation Summary
- Machine Calculation

4A.3.4 Calculation Summary

Year	2020-2021	2021-2022	2022-2023	2023-2024	Total
(A) Total ROM quantity (t)					
(B) Saleable ore from ROM (t)					
(C) Proposed Dump Handling Quantity (t)					
(D) Saleable Ore recovered from dump workings (t)					
(E) Total Saleable Ore (t) $(=B+D)$					
(F) Total Quantity Handled (t) $(=A+C)$					

← Previous Save & Next Print All Next →

5.5 Machine Calculations:

- Machine Calculation consists of 4 sections.
- Machine, Shovel/Excavator, Dumper & Drill Machine.

5.5.1 Machine requirement Summary:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Session time: 22 : 28 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(OC)
- Mineral Beneficiation
- Mining Operations(OC)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine
- Shovel / Excavator
- Dumper
- Drill Machine

Mining Operation (OC)

4A.4 Machine Calculation

4A.4.1 Machine Requirement Summary

Number of Average Working Days in One Year (A):

Number of Shifts per Day (B):

Material Handling Required per Day (t) $((D)=\text{Largest of } (Q1.Q5)/(A))$:

Material to be Handled per Shift (t) $((E)=(D)/(B))$:

Handling Required per Hour (t) $((F)=(E)/8 \text{ hours})$:

Effective Shift Time:

← Previous Save & Next Print All Next →

5.5.2 Shovel / Excavator Requirement:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 49 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
 - Machine
 - Shovel / Excavator
 - Dumper
 - Drill Machine

4A.4.2 Shovel / Excavator Requirement

Effective Shift Time:

SL. No.	Type	Bucket Capacity (m ³)(A)	Bucket Fill Factor (B)	Swell Factor (C)	Tonnage Factor (m ³ /t) (D)	Machine Utilization Factor (%) (U)	Efficiency (%) (E)	Cycle time (sec) (F)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

IBM Session time: 22 : 16 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
 - Machine
 - Shovel / Excavator
 - Dumper
 - Drill Machine

4A.4.2 Shovel / Excavator Requirement

Effective Shift Time:

%	Cycle time (sec) (F)	(G) TPH –TPH (G) = (3600 x A x B x C x D x E x U) / F	Total Hours (H) –Number of working days x Number of shifts/day x Effective shift hours	Yearly handling by one Excavator (I) = (G x H)	Maximum handling of the material by this machine during the block period (J)	Number of excavator machines required (K) = (J / I)	Standby excavator (L)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.5.3 Dumper Requirement:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 54 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine
- Shovel / Excavator
- Dumper
- Drill Machine

4A.4.3 Dumper Requirement

Effective Shift Time:

Sl. No	Total Hours=Number of working days (W) \times Number of shifts/day \times Effective shift hours (Machine Requirement Summary) (A)	Capacity of Dumpers (t) (B)	Speed of the dumper (KM/PH) (t)	Lead Distance (KM) (ii)	Time taken to cover distance in minutes(iii) = (iii) \times 60	Queuing, Loading Time at Shovel (min) (iv)	Queuing, Unloading Time during unloading (min) (v)	Total Time to complete one trip(vi) = (iii + iv + v)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

IBM Session time: 23 : 20 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine
- Shovel / Excavator
- Dumper
- Drill Machine

4A.4.3 Dumper Requirement

Effective Shift Time:

Queuing, Loading Time during unloading (min) (v)	Total Time to complete one trip(vi) = (iii + iv + v)	No. of Trips / hr(vii) = (60 / vi)	Total transportation per hour = (B \times vii)	Yearly handling by one dumper (xt) = A \times TPH	Maximum handling of the material by this machine during the block period (t) (x)	Number of dumpers will be (xi) = (x / tx)	Plus Standby dumper (xii)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.5.4 Drill Machine Requirement:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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Mining Method

Existing Pits/Dumps

Opencast Mining

Material Handling

Machine Calculation

Machine

Shovel / Excavator

Dumper

Drill Machine

Machine Deployment

Blasting Requirement

Man Power

Waste Management

Waste Handling

Use Of Minerals

4A.4.4 Drill Machine Requirement

Effective Shift Time:

Note : "Number of Average Working Days" should be same as that in section 4A.4.1 Machine Requirement Summary

Sl. No	Type of Drill	Depth of Hole(including Sub-grade Drilling (m)	Spacing (m)	Burden (m)	Bulk Density of Waste (t/m ³)	Bulk Density of Mineral (t/m ³)	Yield per Hole (t)	Yield per Meter (t/m) = Yield per Hole (t)/Depth of Hole(including Sub-grade Drilling (m)
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

IBM Session time: 23 : 03 ACC Limited Mine Owner

Mining Method

Existing Pits/Dumps

Opencast Mining

Material Handling

Machine Calculation

Machine

Shovel / Excavator

Dumper

Drill Machine

Machine Deployment

Blasting Requirement

Man Power

Waste Management

Waste Handling

Use Of Minerals

4A.4.4 Drill Machine Requirement

Effective Shift Time:

Note : "Number of Average Working Days" should be same as that in section 4A.4.1 Machine Requirement Summary

Yield per Meter (t/m) = Yield per Hole (t)/Depth of Hole(including Sub-grade Drilling (m)	Annual Target Known (t)	Drilling Requirement per Day (m) = (Annual Target Known (t) / Yield per Meter (t/m))/Number of Average Working Days in One Year (A)	Drilling Requirement per Shift (m)	Rate of Drilling per Hours (m/hr) = Drilling Requirement per Shift (m)/Effective Shift Time	Required Number of Drills (m/c) = Annual Target Known (t)/(Drilling Requirement per Day (m) * Yield per Meter (t/m) * Number of Average Working Days in One Year (A))	Stand by Drill
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.6 Machine Deployment:

- Machine Deployment consists of 3 sections.
- Excavator, Dozer & Drilling.

5.6.1 Excavator & Loading Equipment:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
 - Mining Method
 - Existing Pits/Dumps
 - Opencast Mining
 - Material Handling
 - Machine Calculation
 - Machine Deployment
 - Excavator
 - Dozers
 - Drilling

Mining Operation (OC)
4A.4.5 Machine Deployment Details

4A.4.5.1 Excavator & Loading Equipment

S. No	Type	Make	Capacity (m3)	No. of Equipments
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.6.2 Dozers Details:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 54 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
 - Mining Method
 - Existing Pits/Dumps
 - Opencast Mining
 - Material Handling
 - Machine Calculation
 - Machine Deployment
 - Excavator
 - Dozers
 - Drilling

Mining Operation (OC)
4A.4.5 Machine Deployment Details

4A.4.5.2 Dozers Details

S. No	Type	Make	Capacity (hp)	No. of Equipments
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.6.3 Drilling Details:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section



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- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

The screenshot displays the Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)", and the Ministry of Mines logo. The user is logged in as "ACC Limited Mine Owner" with a session time of 23:52. The main content area is titled "Mining Operation (OC) 4A.4.5 Machine Deployment Details" and shows a table for "4A.4.5.3 Drilling Details". The table has columns for S. No, Type, Make, Capacity (t), and Diameter of Hole (mm). A single row is visible with S. No. 1 and empty input fields for the other columns. Below the table are navigation buttons: Previous, Save & Next, Print All, and Next. A footer note states "Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India."

5.7 Blasting Requirement:

- Blasting Requirement consists of 2 sections.
- Blasting & Explosive Requirement in Waste Development & Blasting & Explosive Requirement in Mineral.

5.7.1 Blasting & Explosive Requirement in Waste Development:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 22 ACC Limited Mine Owner

Mining Operation (OC)
4A.5 Blasting Requirement

4A.5.1 Blasting & Explosive Requirement in Waste/Development

Sl. No.	Drill Pattern / Spacing of Holes (m)	Burden of Holes (m)	Number of Rows / Rings	Yield per Holes in Waste (m ³)	Frequency of Blasting in a Week	Maximum Number of Holes Blasted in a Round	Charge per Hole (kg)	Charge per Round (kg)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Mining Operation (OC)
4A.5 Blasting Requirement

4A.5.1 Blasting & Explosive Requirement in Waste/Development

Yield per Holes in Waste (m ³)	Frequency of Blasting in a Week	Maximum Number of Holes Blasted in a Round	Charge per Hole (kg)	Charge per Round (kg)	Explosive Requirement Per Month in Development (kg)	Powder Factor in Development / Waste (kg/t)	Depth Of Hole
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.7.2 Blasting & Explosive Requirement in Mineral/Ore:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 48 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine Deployment
- Blasting Requirement

4A.5.2 Blasting & Explosive Requirement in Mineral / Ore

Type of Explosive: Ammonium Nitrate Fuel Oil Mixture
Type of Explosives used / to be Used: Alumimised Gelled Slurry Explosives (Large)

SL. No.	Total ROM proposed to be handled in CUM/annum	Total ROM proposed to be handled in CUM/day	Spacing of Holes (m)	Burden of Holes (m)	Number of Rows	Yield per Holes in ROM Zone (m ³)	Frequency of Blasting in a Week	Maximum Number of Holes Blasted in a Round
1								

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IBM Session time: 23 : 53 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine Deployment
- Blasting Requirement

4A.5.2 Blasting & Explosive Requirement in Mineral / Ore

Type of Explosive: Ammonium Nitrate Fuel Oil Mixture
Type of Explosives used / to be Used: Alumimised Gelled Slurry Explosives (Large)

Explosive Requirement Length for All Zone (kg)	Powder Factor in Ore (kg/t)	Pop Shooting (no of Boulders)	Plaster Shooting (no of Boulders)	Use of Rockbreaker	Capacity	Secondary Blasting Requirements	Depth Of Hole
				--select--			

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5.8 Man Power:

- Man Power consists of 8 sections.
- Managerial, Supervisory, Skilled/Operators, Semi-skilled, Unskilled Part 1, Unskilled Part2, No. of Persons & Supervision.

5.8.1 Managerial:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 50 ACC Limited Mine Owner

Material Handling

Machine Calculation

Machine Deployment

Blasting Requirement

Man Power

Managerial

Supervisory

Skilled / Operators

Semi-Skilled

Unskilled Part1

Unskilled Part2

No Of Persons

Supervision

Waste Management

Waste Handling

Use Of Minerals

Mining Operation (OC)
4A.6 Man Power Deployment

4A.6.1 Managerial

Sr. No.	Particulars	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India

5.8.2 Supervisory:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 54 ACC Limited Mine Owner

Material Handling

Machine Calculation

Machine Deployment

Blasting Requirement

Man Power

Managerial

Supervisory

Skilled / Operators

Semi-Skilled

Unskilled Part1

Unskilled Part2

No Of Persons

Supervision

Waste Management

Waste Handling

Mining Operation (OC)
4A.6 Man Power Deployment

4A.6.2 Supervisory

Sr. No.	Particulars	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.8.3 Skilled Operations:

- Enter data as per requirement.
- For Add More Row please refer **1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 50 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
 - Mining Method
 - Existing Pits/Dumps
 - Opencast Mining
 - Material Handling
 - Machine Calculation
 - Machine Deployment
 - Blasting Requirement
 - Man Power
 - Managerial

Mining Operation (OC)
4A.6 Man Power Deployment

4A.6.3 Skilled/Operators

Sr. No.	Particulars	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

5.8.4 Semi Skilled Workers:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 54 ACC Limited Mine Owner

DASHBOARD

- Material Handling
- Machine Calculation
- Machine Deployment
- Blasting Requirement
- Man Power
 - Managerial
 - Supervisory
 - Skilled / Operators
 - Semi-Skilled**
 - Unskilled Part1
 - Unskilled Part2
 - No Of Persons
 - Supervision
- Waste Management
- Waste Handling
- Use Of Minerals

Mining Operation (OC)
4A.6 Man Power Deployment

4A.6.4 Semi-skilled Workers

Sr. No.	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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5.8.5 Unskilled Workers:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section,

IBM Session time: 23 : 54 ACC Limited Mine Owner

- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling
- Machine Calculation
- Machine Deployment
- Blasting Requirement
- Man Power
- Managerial
- Supervisory
- Skilled / Operators
- Semi-Skilled
- Unskilled Part1
- Unskilled Part2
- No Of Persons
- Supervision

Mining Operation(OC)
4A.6 Man Power Deployment

4A.6.5 Unskilled Workers

Sr. No.	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> ✖

[+ Add more](#)

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5.8.6 Others, specify:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 36 ACC Limited Mine Owner

- Man Power
- Managerial
- Supervisory
- Skilled / Operators
- Semi-Skilled
- Unskilled Part1
- Unskilled Part2
- No Of Persons
- Supervision
- Waste Management
- Waste Handling
- Use Of Minerals
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

Mining Operation(OC)
4A.6 Man Power Deployment

4A.6.6 Others, specify

Sr. No.	Particulars	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> ✖

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Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

5.8.7 No. of Persons Engaged Per Day:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 52 ACC Limited Mine Owner

Mining Operation(OC)
4A.6 Man Power Deployment

4A.6.7 No of Persons Engaged Per Day

Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

No of Shifts per Day ((A) = Machine Requirement Summary (B))

Average Daily Employment per Shift ((B) = (Total Number of Person per Day) / (A))

Material to be Handled per Shift ((C) = Machine Requirement Summary (E))

5.8.8 Supervision:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

Mining Operation(OC)
4A.6 Man Power Deployment

4A.6.8 Supervision

Sl.No.	Particulars	Qualification	Requirement / Proposed	In Position / Existing Strength	(Requirement / Proposed) - (In Position / Existing Strength) - (-) Shortage / (+) Excess	Remarks
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India

5.9 Waste Management:

- Waste Management consists of 4 sections.
- Existing Dump, New Dump, Existing Stack & New Stack.

5.9.1 Existing Dump:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.

- Click on **Save & Next** to save data and get redirected to next section



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 08 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.1 Existing Dump

Sl. No.	Year	Dump Id	Type of Dump	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
						From	To	From	To
1	--select--		--select--						

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Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 22 : 31 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.1 Existing Dump

Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Dump Quantity (m ³)	Existing Dump Location
		From	To	From	To		

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5.9.2 New Dump:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 50 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.2 New Dump

Sl. No.	Year	Dump Id	Type of Dump	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
						From	To	From	To
1	--select--		--select--						

IBM Session time: 19 : 33 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.2 New Dump

Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Dump Quantity (m ³)	New Dump Location	
		From	To	From	To			
								<input type="button" value="x"/>

5.9.3 Existing Stack:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 53 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.3 Existing Stack

Sl. No.	Year	Stack ID	Type of Stack	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:
						From	To	From
1	--select--		--select--					

IBM Session time: 19 : 45 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.3 Existing Stack

Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Stack Quantity (m ³)	Existing Stack Location	
		From	To	From	To			
								<input type="button" value="✖"/>

5.9.4 New Stack:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 52 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.4 New Stack

Sl. No.	Year	Stack ID	Type of Stack	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:
						From	To	From
1	--select--		--select--					

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IBM Session time: 23 : 07 ACC Limited Mine Owner

Mining Operation(OC)
4A.7 Waste Management

4A.7.4 New Stack

Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Stack Quantity (m ³)	New Stack Location
		From	To	From	To		

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5.10 Waste Handling:

5.10.1 Mineral Waste Handling to Utilize a Minor Mineral:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 13 ACC Limited Mine Owner

Mining Operation(OC)
4A.8 Mineral Waste Handling To Utilize As Minor Mineral

4A.8 Mineral Waste Handling To Utilize As Minor Mineral

Year	Dump Id	Type of Dump	Proposed Area (ha)	Quantity Handled (t)	Quantity Recovered (t)	Name Of Minor Mineral	Alternative Waste Utilization (m ³)	
--select--	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="✖"/>
<input type="button" value="➕ Add"/>								

5.11 Use Of Minerals:

5.11.1 Use of Minerals:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 50 ACC Limited Mine Owner

Mining Tenement System
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Mining Operation(OC)
4A.9 Use Of Minerals

4A.9 Use of Minerals

Sl. No.	Proposed Use Of Mineral	Name of Mineral	Relevant Use Of Mineral	Physical Specifications	Chemical Specifications	
1	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="✖"/>
<input type="button" value="➕ Add more"/>						

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6) 4B Mining Operations (UG)

- Please refer 4A Mining Operations (OC) for this section.

7) Sustainable Mining

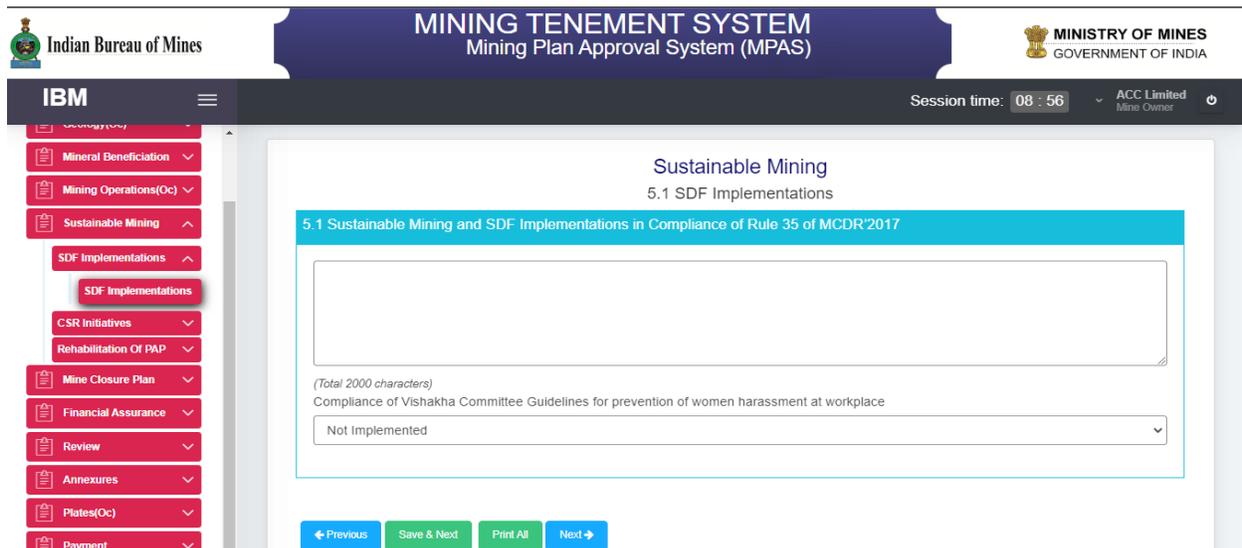
Sustainable mining consists of 3 sections:

- 1) SDF Implementation
- 2) CSR Initiatives
- 3) Rehabilitation of PAP

7.1 SDF Implementation:

7.1.1 Sustainable Mining & SDF Implementations in Compliances of Rule 35 of MCDR'2017:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 08 : 56 ACC Limited Mine Owner

Sustainable Mining
5.1 SDF Implementations

5.1 Sustainable Mining and SDF Implementations in Compliance of Rule 35 of MCDR'2017

(Total 2000 characters)
Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace
Not Implemented

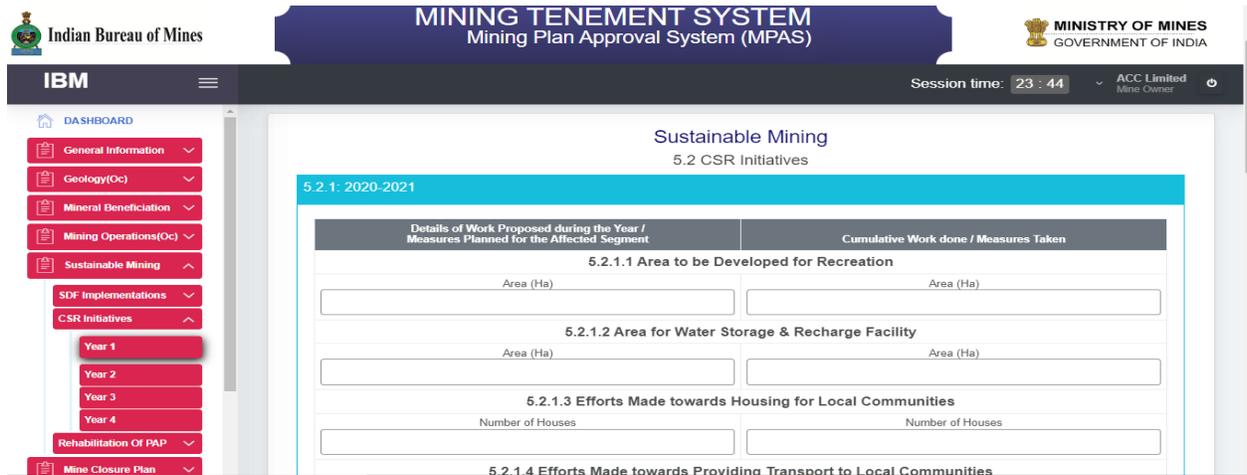
← Previous Save & Next Print All Next →

7.2 CSR Initiatives:

- This section depends on Financial Year from & Financial Year to Date from 1.1 Lease details section, according to year selection Years tabs is generated.

7.2.1 Year 1:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section



The screenshot shows the Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the title "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)", and the Ministry of Mines logo. The user is logged in as "ACC Limited Mine Owner" with a session time of 23:44. The left sidebar contains a "DASHBOARD" menu with options like General Information, Geology(Oc), Mineral Beneficiation, Mining Operations(Oc), Sustainable Mining, SDF Implementations, CSR Initiatives (with Year 1 selected), Rehabilitation Of PAP, and Mine Closure Plan. The main content area is titled "Sustainable Mining" and "5.2 CSR Initiatives". It displays a table for "5.2.1- 2020-2021" with columns for "Details of Work Proposed during the Year / Measures Planned for the Affected Segment" and "Cumulative Work done / Measures Taken". The table includes sections for:

- 5.2.1.1 Area to be Developed for Recreation (Area in Ha)
- 5.2.1.2 Area for Water Storage & Recharge Facility (Area in Ha)
- 5.2.1.3 Efforts Made towards Housing for Local Communities (Number of Houses)
- 5.2.1.4 Efforts Made towards Providing Transport to Local Communities



This screenshot continues the Mining Tenement System (MPAS) interface, showing the same header and sidebar as the previous screenshot. The session time is now 22:57. The main content area displays the continuation of the "5.2.1- 2020-2021" table, including sections for:

- 5.2.1.5 Efforts Made towards Providing Healthcare to Local Communities (Number of Beneficiaries)
- 5.2.1.6 Efforts Made towards Providing Hygiene & Sanitation to Local Communities (Number of Beneficiaries)
- 5.2.1.7 Efforts Made towards Skill Development Programs to Local Communities (Number of Beneficiaries)
- 5.2.1.8 Efforts Made to Promote Education & Knowledge Based Initiatives (Number of Beneficiaries)
- 5.2.1.9 Communication Facilities Provided to Local Communities (Number of Beneficiaries)

IBM Session time: 22 : 31 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- SDF Implementations
- CSR Initiatives
 - Year 1
 - Year 2
 - Year 3
 - Year 4
- Rehabilitation Of PAP
- Mine Closure Plan

Number of Beneficiaries

5.2.1.12 Awareness Program among Mine Workers for Swatchata

Number of Swatchata Programmes proposed: Number of Swatchata Programmes Held:

5.2.1.13 Efforts for green energy

Total energy consumption (KWh) Green energy consumption (% of total)

5.2.1.14 Water & recycled use

Total water consumption (KLD) Water recycled (% of total)

7.2.2 Year 2:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- SDF Implementations
- CSR Initiatives
 - Year 1
 - Year 2
 - Year 3
 - Year 4
- Rehabilitation Of PAP
- Mine Closure Plan

Sustainable Mining
5.2 CSR Initiatives

5.2.2 : 2021-2022

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.2.1 Area to be Developed for Recreation	
Area (Ha) <input type="text"/>	Area (Ha) <input type="text"/>
5.2.2.2 Area for Water Storage & Recharge Facility	
Area (Ha) <input type="text"/>	Area (Ha) <input type="text"/>
5.2.2.3 Efforts Made towards Housing for Local Communities	
Number of Houses <input type="text"/>	Number of Houses <input type="text"/>
5.2.4 Efforts Made towards Providing Transport to Local Communities	

IBM Session time: 23 : 11 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- SDF Implementations
- CSR Initiatives
 - Year 1
 - Year 2
 - Year 3
 - Year 4
- Rehabilitation Of PAP
- Mine Closure Plan

Number of Beneficiaries	Number of Beneficiaries
5.2.2.6 Efforts Made towards Providing Hygiene & Sanitation to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
5.2.2.7 Efforts Made towards Skill Development Programs to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
5.2.2.8 Efforts Made to Promote Education & Knowledge Based Initiatives	
Number of Beneficiaries	Number of Beneficiaries
5.2.2.9 Communication Facilities Provided to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
5.2.2.10 Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities	
Number of Beneficiaries	Number of Beneficiaries

IBM Session time: 22 : 53 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- SDF Implementations
- CSR Initiatives
 - Year 1
 - Year 2
 - Year 3
 - Year 4
- Rehabilitation Of PAP
- Mine Closure Plan

Number of Beneficiaries	Number of Beneficiaries
5.2.2.12 Awareness Program among Mine Workers for Swatchata	
Number of Swatchata Programmes proposed:	Number of Swatchata Programmes Held:
5.2.2.13 Efforts for green energy	
Total energy consumption (KWh)	Green energy consumption (% of total)
5.2.2.14 Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)

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7.2.3 Year 3:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

Sustainable Mining
5.2 CSR Initiatives

5.2.3 : 2022-2023

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.3.1 Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
<input type="text"/>	<input type="text"/>
5.2.3.2 Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
<input type="text"/>	<input type="text"/>
5.2.3.3 Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
<input type="text"/>	<input type="text"/>
5.2.3.4 Efforts Made towards Providing Transport to Local Communities	

IBM Session time: 19 : 41 ACC Limited Mine Owner

Sustainable Mining

5.2.3.7 Efforts Made towards Skill Development Programs to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.3.8 Efforts Made to Promote Education & Knowledge Based Initiatives	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.3.9 Communication Facilities Provided to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.3.10 Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.3.11 Adoption of ODF	
Number of Toilets Built inside the Lease Area:	Number of Toilets Built outside the Lease Area:
<input type="text"/>	<input type="text"/>

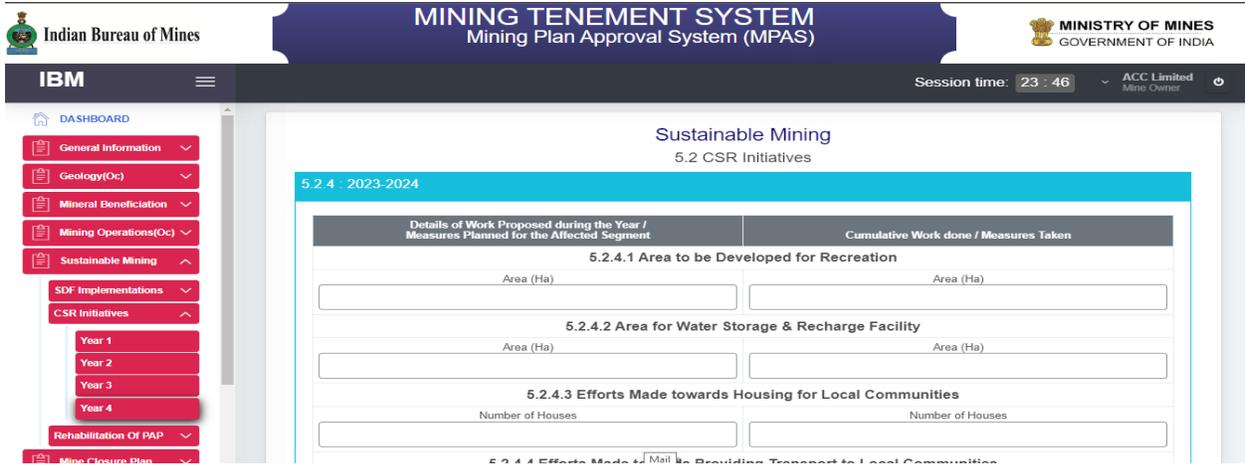
IBM Session time: 19 : 10 ACC Limited Mine Owner

5.2.3.12 Awareness Program among Mine Workers for Swatchata	
Number of Swatchata Programmes proposed:	Number of Swatchata Programmes Held:
<input type="text"/>	<input type="text"/>
5.2.3.13 Efforts for green energy	
Total energy consumption (KWh)	Green energy consumption (% of total)
<input type="text"/>	<input type="text"/>
5.2.3.14 Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)
<input type="text"/>	<input type="text"/>

7.2.4 Year 4:

- Enter data as per requirement.

- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines | MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) | MINISTRY OF MINES GOVERNMENT OF INDIA

Session time: 23 : 46 | ACC Limited Mine Owner

Sustainable Mining
5.2 CSR Initiatives

5.2.4 2023-2024

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.4.1 Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
<input type="text"/>	<input type="text"/>
5.2.4.2 Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
<input type="text"/>	<input type="text"/>
5.2.4.3 Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
<input type="text"/>	<input type="text"/>
5.2.4.4 Efforts Made towards Providing Transport to Local Communities	
Number of Bicycles	Number of Bicycles
<input type="text"/>	<input type="text"/>

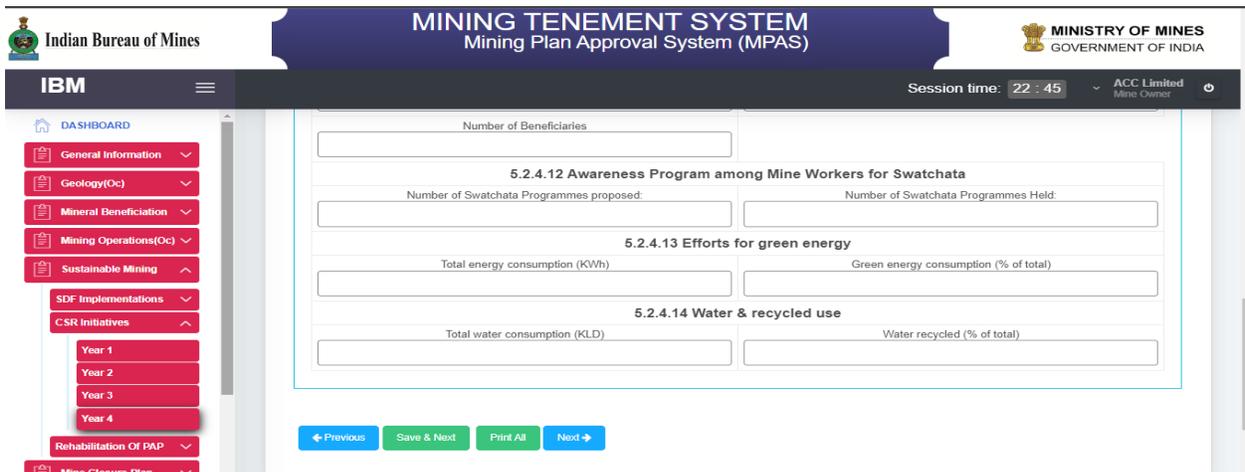


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Session time: 23 : 10 | ACC Limited Mine Owner

Sustainable Mining
5.2 CSR Initiatives

5.2.4.7 Efforts Made towards Skill Development Programs to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.4.8 Efforts Made to Promote Education & Knowledge Based Initiatives	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.4.9 Communication Facilities Provided to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.4.10 Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities	
Number of Beneficiaries	Number of Beneficiaries
<input type="text"/>	<input type="text"/>
5.2.4.11 Adoption of ODF	
Number of Toilets Built inside the Lease Area:	Number of Toilets Built outside the Lease Area:
<input type="text"/>	<input type="text"/>



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Session time: 22 : 45 | ACC Limited Mine Owner

Sustainable Mining
5.2 CSR Initiatives

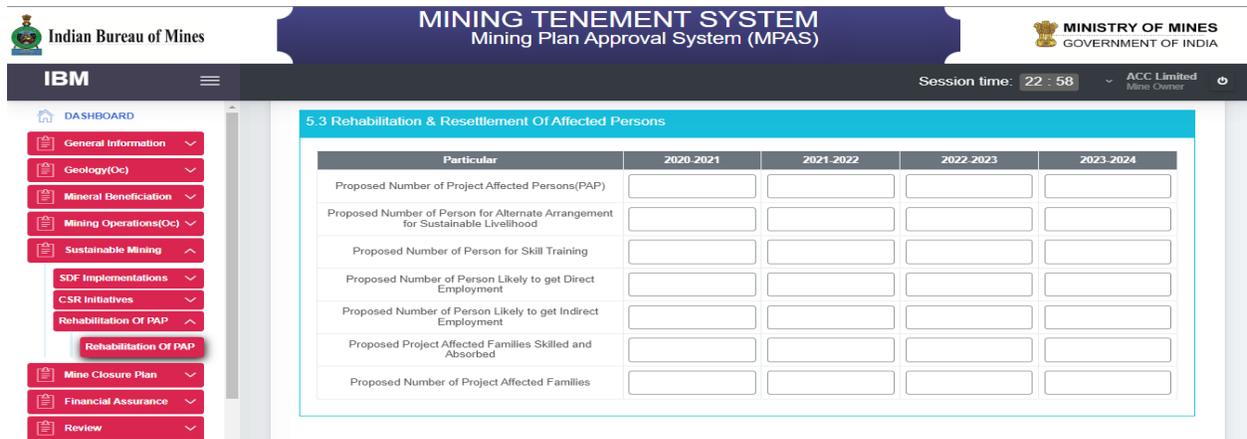
Number of Beneficiaries	
<input type="text"/>	
5.2.4.12 Awareness Program among Mine Workers for Swatchata	
Number of Swatchata Programmes proposed:	Number of Swatchata Programmes Held:
<input type="text"/>	<input type="text"/>
5.2.4.13 Efforts for green energy	
Total energy consumption (KWh)	Green energy consumption (% of total)
<input type="text"/>	<input type="text"/>
5.2.4.14 Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)
<input type="text"/>	<input type="text"/>

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7.3 Rehabilitation of PAP:

7.3.1 Rehabilitation & Resettlement of Affected Persons:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section



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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

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Session time: 22 : 58 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- SDF Implementations
- CSR Initiatives
- Rehabilitation Of PAP
- Rehabilitation Of PAP
- Mine Closure Plan
- Financial Assurance
- Review

5.3 Rehabilitation & Resettlement Of Affected Persons

Particular	2020-2021	2021-2022	2022-2023	2023-2024
Proposed Number of Project Affected Persons(PAP)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Number of Person for Alternate Arrangement for Sustainable Livelihood	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Number of Person for Skill Training	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Number of Person Likely to get Direct Employment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Number of Person Likely to get Indirect Employment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Project Affected Families Skilled and Absorbed	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed Number of Project Affected Families	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



8) Mine Closure Plan

Mine Closure Plan consists of 10 sections:

- 1) Status of Plan
- 2) Reclamation Plan
- 3) Use of Shallow Pits
- 4) Pisciculture
- 5) Recreational Facility
- 6) Dump Area Stabilization
- 7) Reclaiming the Area
- 8) Topsoil Management
- 9) Land Management
- 10) Land Use

8.1 Status of Plan:

8.1.1 Status of Plan:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Status Of Land
- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility

Progressive Mine Closure Plan
6.1 Status Of Land

6.1 Status of Land

Total Area Degraded				Total Mined Out Area Reclaimed & Rehabilitated				
Total Area Under Excavation in the Lease		Area Under Dumps (in hect)	Area Under Utility Services (in hect)	Area Under Stack Yards (in hect)	Mined Out Area Reclaimed but not Rehabilitated (in hect)	Mined Out Area Fully Rehabilitated from Reclaimed Area (in hect)	Area Under Water Reservoir Considered Rehabilitated (in hect)	Stat Was Rehab
Area Under Mining Operation	Mined Out Area in the Lease							
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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IBM Session time: 22 : 31 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Status Of Land
- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Progressive Mine Closure Plan
6.1 Status Of Land

6.1 Status of Land

Total Area Degraded			Total Mined Out Area Reclaimed & Rehabilitated			Other Areas Reclaimed & Rehabilitated		
Area Under Mining Operation (in hect)	Area Under Utility Services (in hect)	Area Under Stack Yards (in hect)	Mined Out Area Reclaimed but not Rehabilitated (in hect)	Mined Out Area Fully Rehabilitated from Reclaimed Area (in hect)	Area Under Water Reservoir Considered Rehabilitated (in hect)	Stabilized Waste Dump Rehabilitated (in hect)	Virgin Area Under Green Belt (in hect)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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8.2 Reclamation Plan:

- Reclamation Plan consists of 3 sections.
- Backfilling, Water Reservoir & Green Belt Development.

8.2.1 Backfilling:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 18 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2 Progressive Reclamation And Rehabilitation Plan

6.2.1 Backfilling

Quantity of Waste / Fill Material Available at Site (m³) Availability of Top Soil for Spreading (m³) Proposed Spread Area (m²)

6.2.1.1 Year Wise Proposal

Sr No.	Year	Pit ID	Area (m ²)	Top RL	Bottom RL	Estimated Expenditure (₹ INR)
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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8.2.2 Water Reservoir:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 14 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2 Progressive Reclamation And Rehabilitation Plan

6.2.2 Water Reservoir

Average Rainfall of The Area (mm) Proposed Area under Water Storage

6.2.2.1 Preparations For Ground Water Recharging

6.2.2.1.1 Drilling Holes

Drilling Holes	Proposed no. of Holes to be Drilled
2020-2021	<input type="text"/>
2021-2022	<input type="text"/>
2022-2023	<input type="text"/>
2023-2024	<input type="text"/>

6.2.2.1.2 Preparation of Course Gravel Bed

Drilling Holes	Proposed Area of Bed (LxW)
2020-2021	<input type="text"/>
2021-2022	<input type="text"/>
2022-2023	<input type="text"/>
2023-2024	<input type="text"/>

IBM Session time: 22 : 26 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Status Of Land
- Reclamation Plan
 - Backfilling
 - Water Reservoir
 - Green Belt Development
- Use Of Shallow Pits
- Disciculture

Please specify, if others

6.2.2.2 Protective measures (Please specify running meter)

6.2.2.2.1 Fencing

Year	Proposed Fencing Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2020-2021					
2021-2022					
2022-2023					
2023-2024					

6.2.2.2.2 Retaining Wall

Year	Proposed Wall Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2020-2021					
2021-2022					
2022-2023					
2023-2024					

IBM Session time: 22 : 01 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Status Of Land
- Reclamation Plan
 - Backfilling
 - Water Reservoir
 - Green Belt Development
- Use Of Shallow Pits
- Disciculture

6.2.2.2.3 Garland Drains

Year	Proposed Bund Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2020-2021					
2021-2022					
2022-2023					
2023-2024					

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8.2.3 Green Belt Development:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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Progressive Mine Closure Plan
6.2 Progressive Reclamation And Rehabilitation Plan

6.2.3 Green Belt Development

6.2.3.1 Cumulative work done (upto end of previous block of five years)

Sr No.	Total Expenditure Incurred up to Last Year (INR)	Area Covered (Ha)	Number of Plants	Survival Rate (%)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

6.2.3.2 Year Wise Proposal

Sr No	Year	Green Belt Location (s)	Area Proposed to be Covered (Ha)	Number of Plants Proposed	Expected Survival Rate (%)	Estimated Expenditure (₹ INR)
1	2020-2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	2021-2022	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	2022-2023	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	2023-2024	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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IBM Session time: 22 : 12 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2 Progressive Reclamation And Rehabilitation Plan

1	2021	<input type="text"/>				
2	2021-2022	<input type="text"/>				
3	2022-2023	<input type="text"/>				
4	2023-2024	<input type="text"/>				

Navigation: [← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

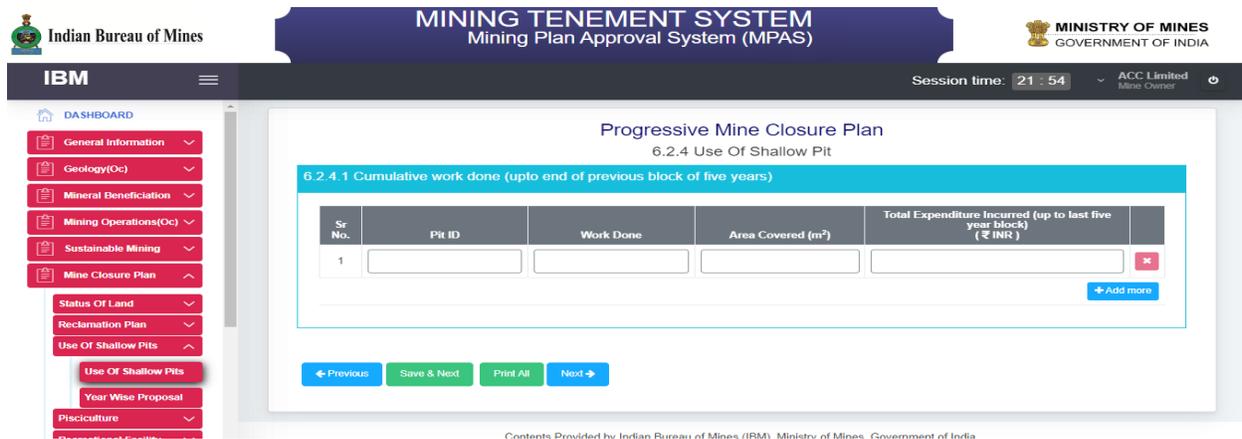
Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.
Designed, Developed and Maintained by National Informatics Centre.

8.3 Use of Shallow Pits:

- Use of Shallow Pits consists of 2 sections.
- Use of Shallow Pits & Year Wise Proposal.

8.3.1 Cumulative Work done (up to end of previous block of five years):

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The session time is 21:54. The main content area is titled 'Progressive Mine Closure Plan' and '6.2.4 Use Of Shallow Pit'. The specific section is '6.2.4.1 Cumulative work done (upto end of previous block of five years)'. It features a table with the following columns: Sr No., Pit ID, Work Done, Area Covered (m²), and Total Expenditure Incurred (up to last five year block) (₹ INR). A single row with Sr No. 1 is visible. Below the table are navigation buttons: Previous, Save & Next, Print All, and Next.

8.3.2 Year Wise Proposal:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data, window pop up will appear click on **Continue** to save and get redirected to next section.



The screenshot shows the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The session time is 23:52. The main content area is titled 'Progressive Mine Closure Plan' and '6.2.4 Use Of Shallow Pit'. The specific section is '6.2.4.2 Year Wise Proposal'. It features a table with the following columns: Sr No., Year, Pit ID, Total Area (Ha), Area Proposed for Crops (Ha), Suitable Crops, Area Proposed for Grass (Ha), Total Proposed Expenditure (₹ INR), and Latitude (dd:mm:ss). A single row with Sr No. 1 and a dropdown menu for Year is visible. Below the table are navigation buttons: Previous, Save & Next, Print All, and Next.

IBM Session time: 22 : 54 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.4 Use Of Shallow Pit

6.2.4.2 Year Wise Proposal

Name Crops	Area Proposed for Grass (Ha)	Total Proposed Expenditure (₹ INR)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Remarks	
			From	To	From	To		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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8.4. Pisciculture:

- Pisciculture consists of 2 sections.
- Expenditure Incurred & Year Wise Proposal.

8.4.1 Total Expenditure incurred as on Date (INR):

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 54 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.5 Pisciculture

6.2.5.1 Total Expenditure incurred as on Date (INR)

6.2.5.2 Cumulative work done as on Date

Sr No	Pit ID	Area (m ²)	Expenditure (₹ INR)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>

[+ Add more](#)

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[Save & Next](#)
[Print All](#)
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8.4.2 Year Wise Proposal:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 50 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.5 Pisciculture

6.2.5.3 Year Wise Proposal

Sr No	Year	Pit ID	Area (m ²)	Expenditure (₹ INR)
1	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>

[+ Add more](#)

6.2.5.4 : Source of Water for Pisciculture

6.2.5.5 : Whether the quality of water has been assessed & found to be suitable for Pisciculture
Yes

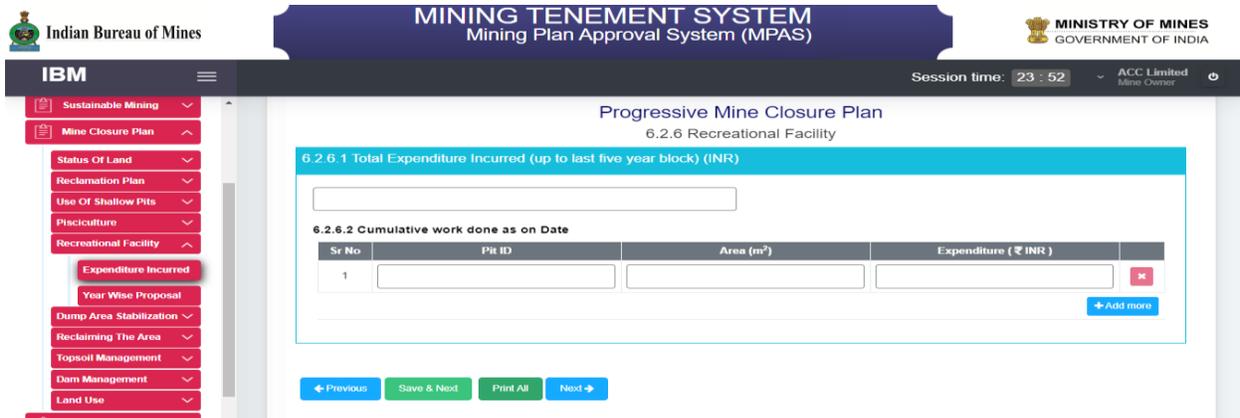
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8.5. Recreational Facility:

- Recreational Facility consists of 2 sections.
- Expenditure Incurred & Year Wise Proposal.

8.5.1 Total Expenditure incurred (Up to last five year block) (INR):

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 52 | ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.6 Recreational Facility

6.2.6.1 Total Expenditure Incurred (up to last five year block) (INR)

6.2.6.2 Cumulative work done as on Date

Sr No	Pit ID	Area (m ²)	Expenditure (₹ INR)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>

+ Add more

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8.5.2 Year Wise Proposal:

- Enter data as per requirement.
- For Add More Row please refer 1.1.1 Initial Lease Details Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 47 | ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.6 Recreational Facility

6.2.6.3 Year Wise Proposal

Sr No	Year	Type of Recreational Facility	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Estimated Expenditure (INR)
				From	To	From	To	
1	2020-2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	2021-2022	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	2022-2023	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	2023-2024	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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8.6. Dump Area Stabilization:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 20 : 36 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.7 Dump Area Stabilization & Development

6.2.7 Dump Area Stabilization & Development

Sr No	Year	Dump ID	No of Terraces	Average Height of Terraces (m)	Length of Toe Wall (m)	Length of Garland Drain (m)	Area Stabilized (Ha)	Method of Stabilization
1	--select--							

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Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

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Session time: 19 : 34 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.7 Dump Area Stabilization & Development

6.2.7 Dump Area Stabilization & Development

Terraces	Average Height of Terraces (m)	Length of Toe Wall (m)	Length of Garland Drain (m)	Area Stabilized (Ha)	Method of Stabilization	Estimated Expenditure (₹ INR)	No of Check Dams

+ Add more

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8.7. Reclaiming the Area:

- Reclaiming the Area consists of 2 sections.



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- Cumulative Work & Year Wise Proposal.

8.7.1 Cumulative work done as on Date:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

The screenshot shows the 'Mining Tenement System' interface. The header includes the Indian Bureau of Mines logo and the Ministry of Mines logo. The main content area is titled 'Progressive Mine Closure Plan' and '6.2.8 Other Form Of Reclaiming The Area'. Below this, there is a section for '6.2.8.1 Cumulative work done as on Date'. This section contains a table with the following structure:

Sr No	Total Expenditure Incurred as on Date (₹ INR)	Work Done
1	<input type="text"/>	<input type="text"/>

Below the table, there are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'. There is also an 'Add more' button to the right of the table.

8.7.2 Year Wise Proposal:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 53 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Status Of Land
- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility
- Dump Area Stabilization
- Reclaiming The Area

Progressive Mine Closure Plan

6.2.8 Other Form Of Reclaiming The Area

6.2.8.2 Year Wise Proposal

Sr No	Year	Work Proposals	Estimated Expenditure (INR)
1	2020-2021	<input type="text"/>	<input type="text"/>
2	2021-2022	<input type="text"/>	<input type="text"/>
3	2022-2023	<input type="text"/>	<input type="text"/>
4	2023-2024	<input type="text"/>	<input type="text"/>

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8.8. Topsoil Management:

- Topsoil Management consists of 2 sections.
- Cumulative Work & Year Wise Proposal.

8.8.1 Cumulative work done as on Date:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 26 ACC Limited Mine Owner

Indian Bureau of Mines MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS) MINISTRY OF MINES
GOVERNMENT OF INDIA

- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility
- Dump Area Stabilization
- Reclaiming The Area
- Topsoil Management
- Cummulative Work
- Year Wise Proposal
- Dam Management
- Land Use
- Financial Assurance
- Review
- Annexures
- Other(Oc)

Progressive Mine Closure Plan

6.2.9 Topsoil Management

6.2.9.1 Cummulative Work Done as on Date

Sl. No.	Top Soil Generated (m ³)	Top Soil Utilized (m ³)	Topsoil Stored (m ³)	Total Expenditure Incurred as on Date (₹)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

+ Add more

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8.8.2 Year Wise Proposal:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.9 Topsoil Management

6.2.9.2 Year Wise Proposal

Year	Topsoil Generated (m ³) (A)	Topsoil Utilized (m ³) (B)	Topsoil Stored (m ³) (A-B)	Estimated Expenditure (INR)
2020-2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2021-2022	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2022-2023	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2023-2024	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[← Previous](#)
[Save & Next](#)
[Print All](#)
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8.9. Dam Management:

8.9.1 Tailing Dam Management:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 41 ACC Limited Mine Owner

Progressive Mine Closure Plan
6.2.10 Tailings Dam Management

6.2.10 Tailings Dam Management

Year	Yearly generation of Tailing (m ³) (A)	Total capacity of Tailing Pond (m ³)	Measures Proposed for Periodic Desilting	Yearly Utilization of Tailing (m ³) (B)	Disposal of Tailing to Tailing Pond (m ³) (A-B)	Tailing Dam Design	Structural Stability Studies
2020-2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Plea <input type="text"/>	<input type="button" value="Choose File"/> <input type="button" value="N..."/>
2021-2022	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Plea <input type="text"/>	<input type="button" value="Choose File"/> <input type="button" value="N..."/>
2022-2023	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Plea <input type="text"/>	<input type="button" value="Choose File"/> <input type="button" value="N..."/>
2023-2024	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Plea <input type="text"/>	<input type="button" value="Choose File"/> <input type="button" value="N..."/>

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8.10. Land Use:

8.10.1 Land Use of Lease Area at the Expiry of Lease Period:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 43 ACC Limited Mine Owner

- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility
- Dump Area Stabilization
- Reclaiming The Area
- Topsoil Management
- Dam Management
- Land Use
- Financial Assurance
- Review
- Annexures
- Plates(Oc)

Progressive Mine Closure Plan

6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period

6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period

Total Area Degraded				Non Degraded Area	Total Mined Out Area Reclaimed & Rehabilitated			
Mined Out Area in the Lease	Area Under Dumps (in hect)	Area Under the Tailing Dam	Area Under Utility Services (in hect)	Area Undisturbed/Virgin	Mined Out Area Reclaimed but not Rehabilitated (in hect)	Mined Out Area Fully Rehabilitated from Reclaimed Area (in hect)	Area Under Water Reservoir Considered Rehabilitated (in hect)	Stabilized Waste Dump (in hect)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

← Previous
Save & Next
Print All
Next →

IBM Session time: 22 : 31 ACC Limited Mine Owner

- Reclamation Plan
- Use Of Shallow Pits
- Pisciculture
- Recreational Facility
- Dump Area Stabilization
- Reclaiming The Area
- Topsoil Management
- Dam Management
- Land Use
- Financial Assurance
- Review
- Annexures
- Plates(Oc)

Progressive Mine Closure Plan

6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period

6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period

Degraded Area	Total Mined Out Area Reclaimed & Rehabilitated				Other Areas Reclaimed & Rehabilitated		
	Mined Out Area Reclaimed but not Rehabilitated (in hect)	Mined Out Area Fully Rehabilitated from Reclaimed Area (in hect)	Area Under Water Reservoir Considered Rehabilitated (in hect)	Stabilized Waste Dump Rehabilitated (in hect)	Virgin Area Under Green Belt (in hect)	Rehabilitated Area Under Utility Services (in hect)	Rehabilitated Area Under Tailing Dam
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

← Previous
Save & Next
Print All
Next →

9) Financial Assurance

Financial Assurance consists of 2 sections:

- 1) Year 1-4 (This menu depends on **Five Year block From & To** filled in section **1.1 Lease Detail**)
- 2) Financial Assurance

9.1. Year 1-4:

Year1: This label is dynamic as per Date filled in section **1.1 Lease Details**

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot displays the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The main content area shows '7. Financial Assurance/Performance Security' for the year '2020-2021'. A table titled 'Consolidated View of Financial Assurance' is visible, with columns for 'Sl. No.', 'Particular', 'Area put to use at Start of Year (ha) (A)*', 'Additional Requirement (ha) (B)*', and 'Total (ha) (C - A + B)'. The table contains 7 rows of data, each with a value of 1 in column A and 1 in column B, resulting in a total of 2.00 in column C.

Sl. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C - A + B)
1	Area under Mining	1	1	2.00
2	Topsoll stacking	1	1	2
3	Overburden/Waste Dumping	1	1	2.00
4	Mineral Storage	1	1	2.00
5	Infrastructure (Workshop, Administrative Building etc.)	1	1	2.00
6	Roads	1	1	2.00
7	Railways	1	1	2.00

IBM Session time: 15 : 56 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

Year 1

Year 2

Year 3

Year 4

6	Roads	1	1	2.00
7	Railways	1	1	2.00
8	Tailing Pond	1	1	2.00
9	Effluent Treatment Plant	1	1	2.00
10	Mineral Separation Plant	1	1	2
11	Township Area	1	1	2.00
12	Others to Specify	1	1	2.00
	Total	12.00	12.00	24.00

[← Previous](#)
[Save & Next](#)
[Print All](#)
[Next →](#)

Year2: This label is dynamic as per Date filled in section 1.1 Lease Details

- In this section, previous section i.e. Year 1 total value is fetched to first column of this section i.e. Year 2 and not available to edit.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 56 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

Year 1

Year 2

Year 3

Year 4

7. Financial Assurance/Performance Surety

2021-2022

Consolidated View of Financial Assurance

Sl. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C = A + B)
1	Area under Mining	2.00	1.00	3.00
2	Topsoil stacking	2.00	1.00	3.00
3	Overburden/Waste Dumping	2.00	1.00	3.00
4	Mineral Storage	2.00	1.00	3.00
5	Infrastructure (Workshop, Administrative Building etc.)	2.00	1.00	3.00
6	Roads	2.00	1.00	3.00
7	Railways	2.00	1.00	3.00

IBM Session time: 23 : 32 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year1
- Year 2
- Year 3
- Year 4

6	Roads	2.00	1.00	3.00
7	Railways	2.00	1.00	3.00
8	Tailing Pond	2.00	1.00	3.00
9	Effluent Treatment Plant	2.00	1.00	3.00
10	Mineral Separation Plant	2.00	1.00	3.00
11	Township Area	2.00	1.00	3.00
12	Others to Specify	2.00	1.00	3.00
	Total	24.00	12.00	36.00

← Previous Update Print All Next →

Year 3: This label is dynamic as per Date filled in section 1.1 Lease Details

- In this section, previous section i.e. Year 2 total value is fetched to first column of this section i.e. Year 3 and not available to edit.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 32 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year1
- Year 2
- Year 3
- Year 4

7. Financial Assurance/Performance Surety

2022-2023

Consolidated View of Financial Assurance

Sl. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C = A + B)
1	Area under Mining	3.00	1	4.00
2	Topsoil stacking	3.00	1	4.00
3	Overburden/Waste Dumping	3.00	1	4.00
4	Mineral Storage	3.00	1	4.00
5	Infrastructure (Workshop, Administrative Building etc.)	3.00	1	4.00
6	Roads	3.00	1	4.00
7	Railways	3.00	1	4.00

IBM Session time: 22 : 58 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year 1
- Year 2
- Year 3
- Year 4

6	Roads	3.00	1	4.00
7	Railways	3.00	1	4.00
8	Tailing Pond	3.00	1	4.00
9	Effluent Treatment Plant	3.00	1	4.00
10	Mineral Separation Plant	3.00	1	4.00
11	Township Area	3.00	1	4.00
12	Others to Specify	3.00	1	4.00
	Total	36.00	12.00	48.00

← Previous Save & Next Print All Next →

Year 4: This label is dynamic as per Date filled in section 1.1 Lease Details

- In this section, previous section i.e. Year 3 total value is fetched to first column of this section i.e. Year 4 and not available to edit.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 12 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year 1
- Year 2
- Year 3
- Year 4

7. Financial Assurance/Performance Surety

2023-2024

Consolidated View of Financial Assurance

Sl. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C= A + B)
1	Area under Mining	4.00	1.00	5.00
2	Topsoil stacking	4.00	1.00	5.00
3	Overburden/Waste Dumping	4.00	1.00	5.00
4	Mineral Storage	4.00	1.00	5.00
5	Infrastructure (Workshop, Administrative Building etc.)	4.00	1.00	5.00
6	Roads	4.00	1.00	5.00
7	Railways	4.00	1.00	5.00

IBM Session time: 22 : 50 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year 1
- Year 2
- Year 3
- Year 4

6	Roads	4.00	1.00	5.00
7	Railways	4.00	1.00	5.00
8	Tailing Pond	4.00	1.00	5.00
9	Effluent Treatment Plant	4.00	1.00	5.00
10	Mineral Separation Plant	4.00	1.00	5.00
11	Township Area	4.00	1.00	5.00
12	Others to Specify	4.00	1.00	5.00
	Total	48.00	12.00	60.00

← Previous Update Print All Next →

- In case, if need to update Year 1 values then an alert will pop up with a note i.e.next consecutive section values will get deleted or cleared, and so on for further years also.

IBM Session time: 23 : 57 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1-4

- Year 1
- Year 2
- Year 3
- Year 4

In Financial Assurance chapter, from YEAR 1 to YEAR 5 are interlinked sections. If any section is updated then next remaining sections i.e YEAR 1 to YEAR 5 data will automatically get cleared(removed)

10	Mineral Separation Plant	3.00	1.00	4.00
11	Township Area	3.00	1.00	4.00
12	Others to Specify	3.00	1.00	4.00
	Total	36.00	12.00	48.00

← Previous Update Print All Next →

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Designed, Developed and Maintained by National Informatics Centre.

- If clicked **Ok** button, then next data will get deleted or cleared, if **Cancel** button is clicked then no action will perform.

9.2. Financial Assurance:

This section has 2 options:

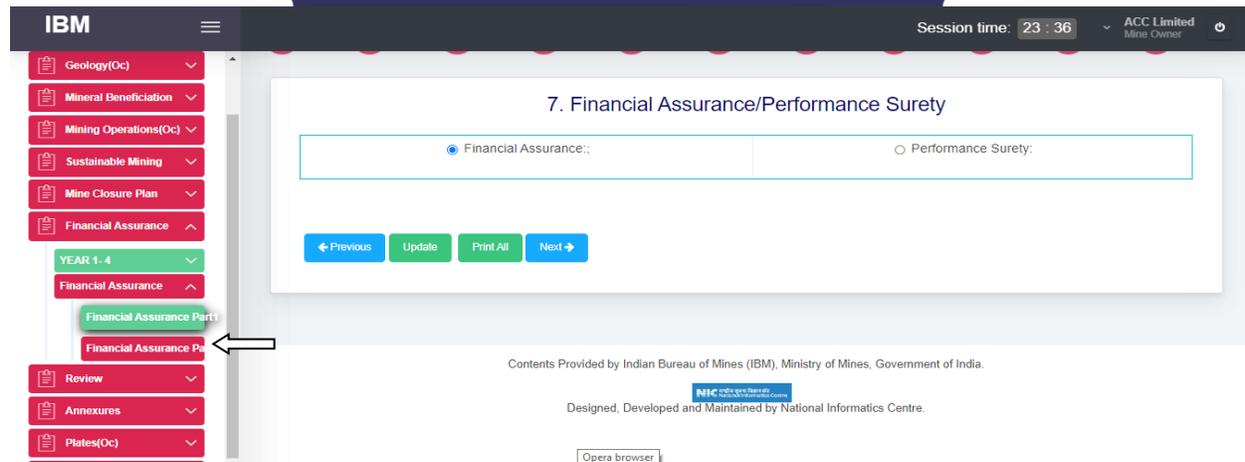
- Financial Assurance
- Performance Surety

If no selection is made side menu will show all menus.



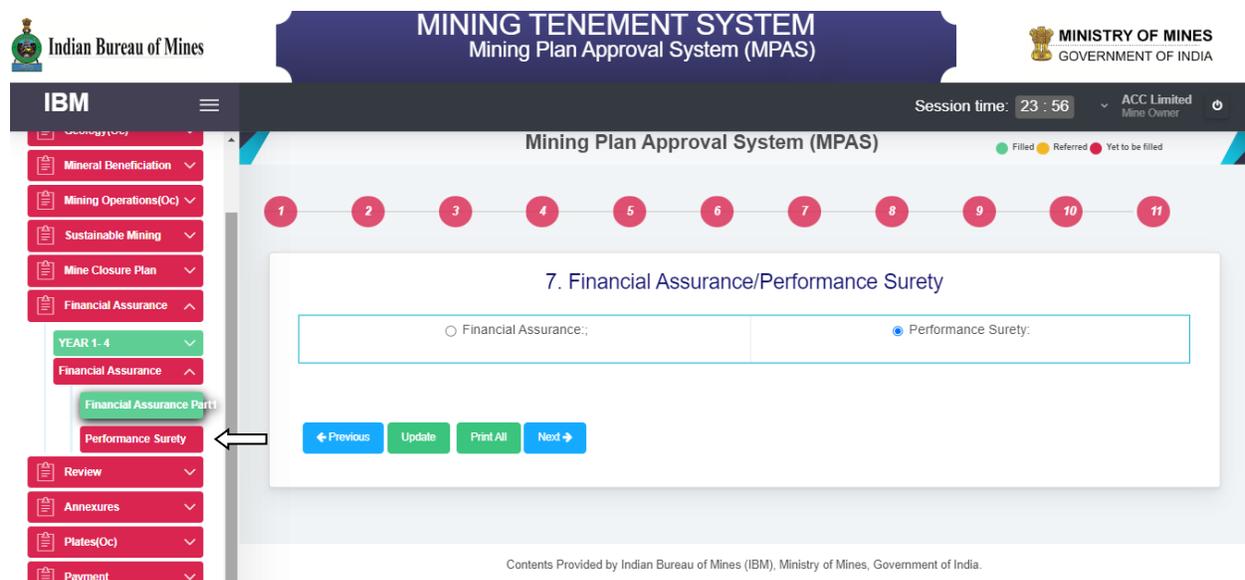
The screenshot displays the Mining Plan Approval System (MPAS) interface. At the top, it features the Indian Bureau of Mines logo and the title 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)'. The session time is 19:30, and the user is identified as ACC Limited Mine Owner. The main content area is titled '7. Financial Assurance/Performance Surety' and contains two radio buttons: 'Financial Assurance;' (selected) and 'Performance Surety:'. Below the buttons are 'Previous', 'Save & Next', 'Print All', and 'Next' buttons. A side menu on the left lists various options, with 'Financial Assurance Part 2' highlighted by a white arrow.

- Depending on option, side menu will hide & show as per selection.
- If Financial Assurance is selected then Financial Assurance part 2 menu will be visible.



The screenshot shows the IBM Mining Tenement System interface. On the left is a navigation menu with categories like Geology(Oc), Mineral Beneficiation, Mining Operations(Oc), Sustainable Mining, Mine Closure Plan, Financial Assurance, and YEAR 1-4. Under Financial Assurance, 'Financial Assurance Part 1' is selected. The main content area is titled '7. Financial Assurance/Performance Surety' and contains two radio buttons: 'Financial Assurance;' (selected) and 'Performance Surety:'. Below the buttons are 'Previous', 'Update', 'Print All', and 'Next' buttons. The footer contains copyright information for IBM and NIC.

- If Performance Surety is selected then, Performance Surety menu will be visible.



This screenshot is similar to the previous one but shows the 'Performance Surety' radio button selected. Additionally, a progress bar at the top of the main content area shows 11 steps, with step 7 highlighted in red, indicating the current section. The 'Performance Surety' menu item in the left navigation menu is also highlighted with a white arrow.

Financial Assurance Part 2:

- The first column i.e. **Total Area Proposed to be put to use in hect (Year1 to 5)** will fetch value from last year i.e. **Year 4 section, Total** column value in it.
- The second column i.e. **Amount of Bank Guarantee (Lac INR)** will be auto calculated value in it.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

Indian Bureau of Mines

MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 23 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1- 4

- Year 1
- Year 2
- Year 3
- Year 4

10	Mineral Separation Plant	4.00	1.00	5.00
11	Township Area	4.00	1.00	5.00
12	Others to Specify	4.00	1.00	5.00
Total		48.00	12.00	60.00

← Previous Update Print All Next →

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Indian Bureau of Mines

MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 23 : 55 ACC Limited Mine Owner

- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance

YEAR 1- 4

- Financial Assurance Part 1
- Financial Assurance Part 2

- Review
- Annexures
- Plates(Oc)

Financial Assurance/Performance Surety

7.3 FINANCIAL ASSURANCE (Part2)

Category A Mining Lease

Total Area Proposed to be put to use in hect(Year 1 to 5)	Amount of Bank Gurantee (Lac INR)	Valid till (dd/mm/yyyy)	Upload copy of Bank Gurantee
60.00	10	dd-mm-yyyy	<input type="button" value="Choose File"/> No file chosen

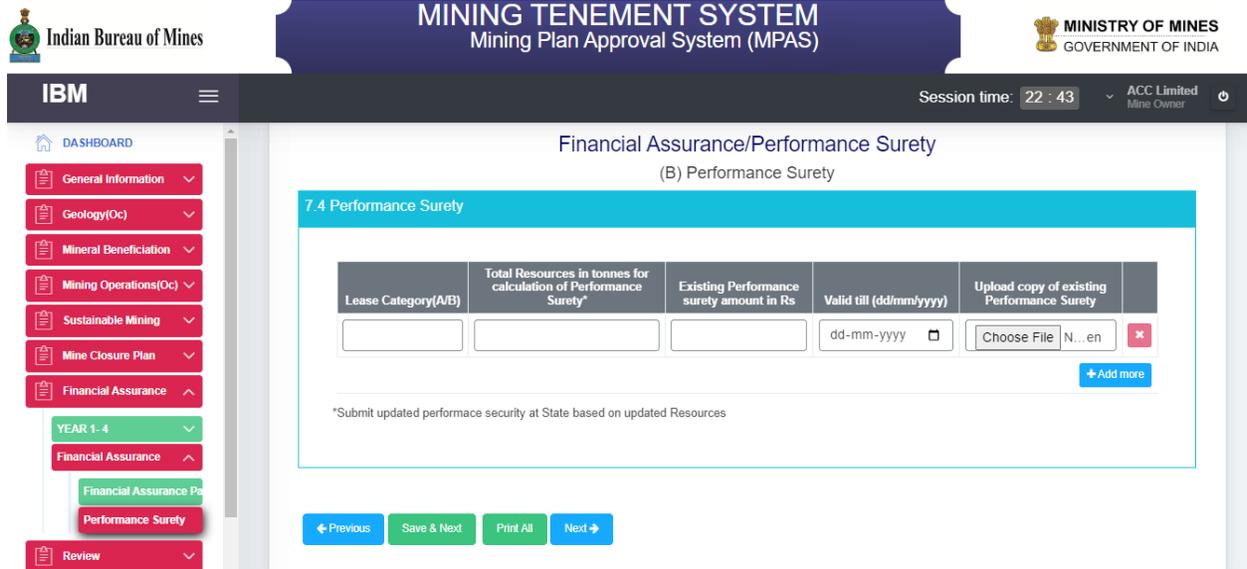
Note : Amount of Bank Gurantee (Lac INR) = (Area furnished in first column * Rs 5 Lakhs) is subject to minimum 10 Lakhs

← Previous Save & Next Print All Next →

Performance Surety:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.

- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'Financial Assurance/Performance Surety' section of the Mining Plan Approval System (MPAS). The interface includes a sidebar with navigation options like 'General Information', 'Geology(Oc)', 'Mineral Beneficiation', etc. The main content area displays a table for '7.4 Performance Surety' with columns for 'Lease Category(A/B)', 'Total Resources in tonnes for calculation of Performance Surety*', 'Existing Performance surety amount in Rs', 'Valid till (dd/mm/yyyy)', and 'Upload copy of existing Performance Surety'. Below the table, there are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'.

10) Review

Review consists of 3 sections:

- 1) General
- 2) Technical Details
- 3) Socio-Economic Review

This section is available only for **Existing Grant**.

10.1. General

- General consists of 2 sections.
- Area Utilization & SDF and CSR.

10.1.1 Lease Area Utilization:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 13 : 25 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
 - Area Utilizations
 - SDF And CSR
 - Technical Details

Review of previous proposals during the last plan period(not applicable for fresh grant)
8.1 General

8.1.1 Lease Area Utilisation

Sl. No.	Type of land use (in ha)	Area at the beginning of the proposal period	Area proposed under activity	Actual Area utilized in the proposal period	Deviation	Reasons for deviation
1	Mining					
2	Mineral storage					
3	Mineral Beneficiation plant					
4	Township					
5	Tailing Pond					
6	Railways					

IBM Session time: 12 : 47 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
 - Area Utilizations
 - SDF And CSR
 - Technical Details

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

9	OB/waste dump					
10	Top soil preservation					
11	Others					
12	Total area put to use					
13	Excavated area reclaimed					
14	Waste dump area reclaimed					
15	Undisturbed Area					
	Total					

[← Previous](#)
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10.1.2 Lease Area Utilization:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
- Area Utilizations
- SDF And CSR
- Technical Details

Review of previous proposals during the last plan period(not applicable for fresh grant)

8.1 General

8.1.2 SDF and CSR Expenditures

Activity	Proposals	Achievement	Deviation	Reasons for deviation
Total expenditure incurred for implementation of SDF at mine level including - Environment Protection - CSR & other welfare activities in peripheral area (Explanation: Expenditure is not over and above the statutory levies imposed by the Government; However, THIS EXCLUDES CONTRIBUTION TO DMF & MMET and is over and above the statutory levies imposed by the Government.)	10% of Royalty (a)	Total Expenditure for SDF implementation (b)		
CSR (Corporate Social Responsibility) spending at the mine level in Proposal Period (as per Companies Act, 2013 or otherwise)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

← Previous
Save & Next
Print All
Next →

10.2. Technical Details:

- Technical Details consists of 6 sections.
- Exploration, Dump & Zero Mining, Backfilling, Mineral Production, Mineral Reject & Compliances.

10.2.1 Exploration:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 51 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
- Technical Details
- Exploration
- Dump And Zero Mining

Review of previous proposals during the last plan period(not applicable for fresh grant)

8.2 Technical Details

8.2.1 Exploration

Particulars	Proposals			Achievement			Deviation			Reasons for deviation
	Boreholes	Pits	Trenches	Boreholes	Pits	Trenches	Boreholes	Pits	Trenches	
Number of Boreholes/ Pits/ Trenches	<input type="text"/>									
Boreholes Meterage (If Boreholes selected in first row)	<input type="text"/>			<input type="text"/>			<input type="text"/>			<input type="text"/>
Grid	<input type="text"/>			<input type="text"/>			<input type="text"/>			<input type="text"/>
G Axis upgradation during Proposal Period as per guidelines of MEMC Rule 2015)	<input type="text"/>			<input type="text"/>			<input type="text"/>			<input type="text"/>
Area converted under G1 from G2/G3	<input type="text"/>			<input type="text"/>			<input type="text"/>			<input type="text"/>

IBM Session time: 23 : 04 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
- Technical Details
- Exploration
- Dump And Zero Mining

8.2.2 Mine Development (Opencast/ Underground/ Both/ Dump Mining)

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.2.1 Generation of Ore/Waste While Development				
Ore	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Waste	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Generated Waste while ROM recovery	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dumping Site (For Surface)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Removal of waste/ over burden in cubic meters	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.2.2 Excavation				
Lateral extent	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vertical extent	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

10.2.2 Mining Operation Dump Mining:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 20 ACC Limited Mine Owner

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Review of previous proposals during the last plan period (not applicable for fresh grant)

8.2 Technical Details

8.2.3 Mining Operation: Dump Mining

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Handling of Material	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Waste Generated post recovery	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dumping site for waste	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

8.2.4 Zero Waste Mining

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Alternative use / Disposal of Waste Generated (excluding top soil)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

10.2.3 Backfilling:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 22 : 38 ACC Limited Mine Owner

Review of previous proposals during the last plan period(not applicable for fresh grant)
8.2 Technical Details

8.2.5 Backfilling

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Site (Co-ordinates)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Area	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Depth	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Volume Backfilled (CuM)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Backfilled Area available for Reclamation and Rehabilitation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Backfilled Area Reclaimed and Rehabilitated	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Balance Backfilled Area	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

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GOVERNMENT OF INDIA

Volume Backfilled (CuM)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Backfilled Area available for Reclamation and Rehabilitation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Backfilled Area Reclaimed and Rehabilitated	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Balance Backfilled Area	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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10.2.4 Production Mineral:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM

Session time: 23 : 36 ACC Limited Mine Owner

Review of previous proposals during the last plan period(not applicable for fresh grant)
8.2 Technical Details

8.2.6 Production of Mineral(s)

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.6.1 : ROM				
Opencast	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.6.2 : Cleaned Ore				
Opencast	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dump Mining	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Recovery from Mineral Rejects or Tailings	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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10.2.5 Handling of Mineral Reject/Sub Grade:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM

Session time: 23 : 48 ACC Limited Mine Owner

Review of previous proposals during the last plan period(not applicable for fresh grant)
8.2 Technical Details

8.2.7 Handling of Mineral Rejects/ Sub-Grade

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Generation of mineral rejects				
Opencast	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dump Mining	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Recovery	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Stacking of Mineral Reject/ Sub-Grade Mineral(Dump Id)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Blending of Mineral Reject / Sub-Grade	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

← Previous Save & Next Print All Next →

10.2.6 Environment Compliances:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
- Technical Details
 - Exploration
 - Dump And Zero Mining
 - Backfilling
 - Mineral Production
 - Mineral Rejects
 - Compliances

Review of previous proposals during the last plan period(not applicable for fresh grant)
8.2 Technical Details

8.2.8 Environment Compliances

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.8.1 : Top soil				
Generation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Utilization	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Stacking (Dump Id)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Reclamation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rehabilitation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.8.2 : Afforestation (Dumps/Benches/Backfilled Area etc.)				
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
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- General
- Technical Details
 - Exploration
 - Dump And Zero Mining
 - Backfilling
 - Mineral Production
 - Mineral Rejects
 - Compliances

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

8.2.8.3 : Afforestation (Green Belt)

--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Construction of check dams	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Construction of garland drain (in meter)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- General
- Technical Details
 - Exploration
 - Dump And Zero Mining
 - Backfilling
 - Mineral Production
 - Mineral Rejects
 - Compliances

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

8.2.8.4 : Tailings

--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
--Please Select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Construction of check dams	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Construction of garland drain (in meter)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Construction of retaining walls(in meter)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.8.4 : Tailings				
Generation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Utilization	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Disposal	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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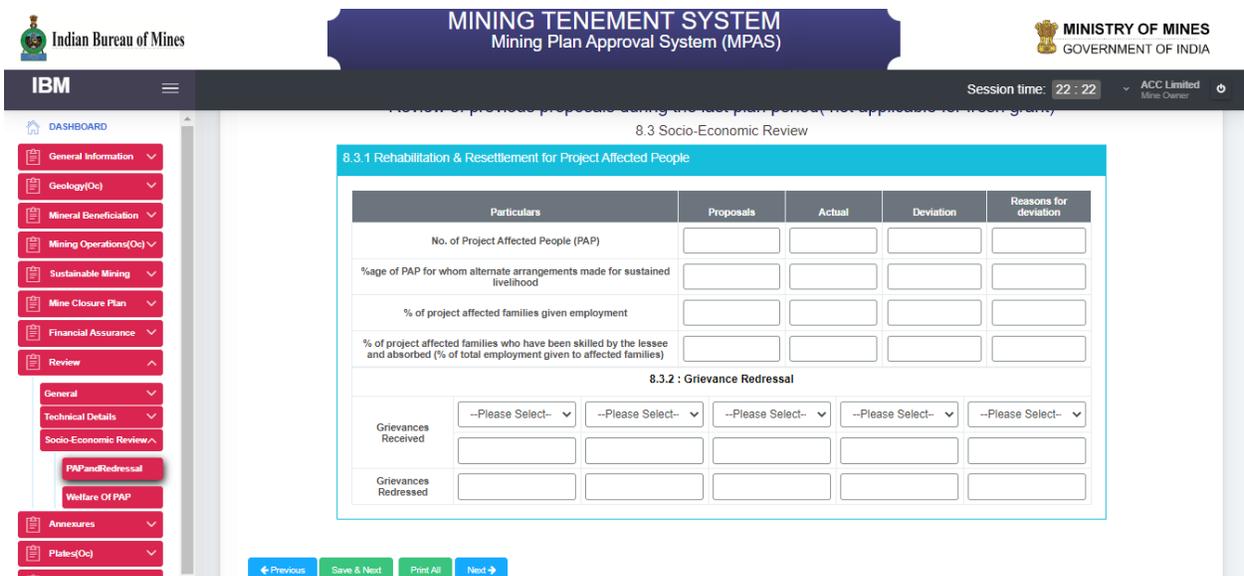
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10.3. Socio-Economic Review:

- Socio-Economic Review consists of 2 sections.
- PAP & Redressal & Welfare of PAP

10.3.1 Rehabilitation & Resettlement for Project Affected People:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' interface. The user is logged in as 'ACC Limited Mine Owner'. The session time is 22:22. The main content area displays the '8.3 Socio-Economic Review' section, which is divided into two parts: '8.3.1 Rehabilitation & Resettlement for Project Affected People' and '8.3.2 : Grievance Redressal'.

8.3.1 Rehabilitation & Resettlement for Project Affected People

Particulars	Proposals	Actual	Deviation	Reasons for deviation
No. of Project Affected People (PAP)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
%age of PAP for whom alternate arrangements made for sustained livelihood	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
% of project affected families given employment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
% of project affected families who have been skilled by the lessee and absorbed (% of total employment given to affected families)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

8.3.2 : Grievance Redressal

| | --Please Select-- |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Grievances Received | <input type="text"/> |
| Grievances Redressed | <input type="text"/> |

Navigation buttons: Previous, Save & Next, Print All, Next.

10.3.2 Rehabilitation & Resettlement for Project Affected People:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead on **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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8.3 Socio-Economic Review

8.3.3 Welfare and socio-economic development programs for local communities

Particulars	--Please S				
8.3.3.1 support for Drinking Water & Agriculture					
No. of Water Storage Tanks constructed	<input type="text"/>				
Drinking Water Facilities provided (Bore wells/ Pumps etc.)	<input type="text"/>				
Irrigation Support provided (Canals/ Pumps etc.)	<input type="text"/>				
No. of Water tanks De-silted	<input type="text"/>				
Water Treatment facilities provided (A/NA)	<input type="text"/>				
Amount of Water treated (in kl.) (if selected A in above)	<input type="text"/>				
8.3.3.2 Support to Health & Medical Services					
No. of persons identified from Occupational health diseases	<input type="text"/>				
No. of Health Camps/ Medicine Camps Organized	<input type="text"/>				

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8.3.3.3 Support to Skill development & Education

Vocational Training Provided/ Support Provided

No. of employees undergone Vocational training	<input type="text"/>				
No. of other persons undergone Vocational training	<input type="text"/>				
Number of Literacy & Education Camps held/ Supported	<input type="text"/>				
8.3.3.4 Support to Transportation Services & Infrastructure					
Expenditure on Transportation Services & Infrastructure	<input type="text"/>				
Road development (m) in the peripheral area (not lease area)	<input type="text"/>				
No. of Public transport support provided (Ambulance/Buses/ School Vans etc)	<input type="text"/>				
8.3.3.5 Swachata Programs: Creating/providing sanitation and healthy condition in and around the mine area					
Adoption of ODF within mining lease area					
No. of Toilets built in the Lease Area	<input type="text"/>				
Adoption of ODF in nearby villages					
No. Of Toilets built in the villages	<input type="text"/>				

IBM Session time: 22 : 38 ACC Limited Mine Owner

8.3.3.5 Swachata Programs: Creating/providing sanitation and healthy condition in and around the mine area

Adoption of ODF within mining lease area

No. of Toilets built in the Lease Area	<input type="text"/>				
Adoption of ODF in nearby villages					
No. Of Toilets built in the villages	<input type="text"/>				
Provision for greenage recreational facility (Within Lease Area/ Outside)					
Recreational Area Type (Picnic Spot/ tracks/Park Etc)	<input type="text"/>				
Area covered (For within Lease Area only)	<input type="text"/>				
Awareness program among Mine workers for Swachata					
No. of Swachchta Programmes held	<input type="text"/>				

11) Impact Assessment

Impact Assessment consists of 6 sections:

- 1) Baseline Information
- 2) Environment Parameter
- 3) Impact Assessment
- 4) Noise
- 5) Vibration
- 6) Socio-Economics

This section is available only for **Fresh Grant**.

11.1. Baseline Information:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'IMPACT ASSESSMENT' section of the 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)'. The specific form is for '9.1 Baseline Information'. It includes the following fields:

- Whether Area falls under Forest (Dropdown menu)
- Whether Area falls under Wildlife Sanctuary (Dropdown menu)
- Whether Area falls under Coastal Regulation Zone (CRZ) (Dropdown menu)
- Whether Area falls under Defence Land (Dropdown menu)
- Any Other Clearance (specify) (Dropdown menu)
- Any Significant Objections from any Agency Involved in Stakeholder's Consultation (Text area)

At the bottom of the form, there are buttons for 'Previous', 'Save & Next', 'Print All', and 'Next'. The sidebar menu on the left includes options like 'General Information', 'Geology(Ug)', 'Mineral Beneficiation', 'Mining Operations(Ug)', 'Sustainable Mining', 'Mine Closure Plan', 'Financial Assurance', 'Impact Assessment', 'Baseline Information', 'Environment Parameters', 'Impact Assessment', 'Noise', 'Vibration', 'Socio-Economics', 'Annexures', 'Plates(Ug)', and 'Payment'.

11.2. Environment Parameter:

11.2.1 Environment Monitoring:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Ug)
- Mineral Beneficiation
- Mining Operations(Ug)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment

Baseline Information

Environment Parameters

Monitoring

Impact Assessment

Noise

Vibration

IMPACT ASSESSMENT

9.2 Environment Parameters

9.2.1 Environment Monitoring

9.2.1.1 : Ambient Air Quality

Core Zone (Quarterly Monitoring Planned) Buffer Zone (Quarterly Monitoring Planned)

Yes Yes

9.2.1.2 : Water Quality

Core Zone (Quarterly Monitoring Planned) Buffer Zone (Quarterly Monitoring Planned)

Yes Yes

9.2.1.3 : Noise Level

Core Zone (Quarterly Monitoring Planned) Buffer Zone (Quarterly Monitoring Planned)

Yes Yes

← Previous Save & Next Print All Next →

11.3. Impact Assessment:

- Impact Assessment consists of 7 sections.
- Impact Assessment, Mitigation Measure, Air Environment, Water Environment, Impact Assess Measure, Water Body & Water Balance.

11.3.1 Land Environment:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Ug)
- Mineral Beneficiation
- Mining Operations(Ug)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment

Baseline Information

Environment Parameters

Impact Assessment

Impact Assessment

IMPACT ASSESSMENT

9.3 Impact Assessment

9.3.2 Land Environment

9.3.2.1 : BASE / PRESENT STATUS

Pre Mining Use	AREA (Ha)
Barren / Waste land with small bushes & shrubs	<input type="text"/>
Land under Agriculture / Crop	<input type="text"/>
Land covered with Plants	<input type="text"/>
Land under Grass Cover	<input type="text"/>
Land under Public Infrastructure / Utilities (water bodies, roads, railways, electric lines, telephone lines etc.)	<input type="text"/>
Land under Habitation	<input type="text"/>

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DASHBOARD

- General Information
- Geology(Ug)
- Mineral Beneficiation
- Mining Operations(Ug)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment

Any Other, please specify below

Date of Observation

9.3.2.2 : ANTICIPATED IMPACT

Pre Mining Use	AREA (Ha)
Degradation by Excavation	<input type="text"/>
Degradation by Dumps & Material Staking	<input type="text"/>
Covered under Plants, Shades & Buildings	<input type="text"/>
Covered by Roads & Approaches	<input type="text"/>
Any Other, please specify below	<input type="text"/>

11.3.2 Mitigation Measures:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

Indian Bureau of Mines MINISTRY OF MINES
GOVERNMENT OF INDIA

IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.2.3 MITIGATION MEASURES

9.3.2.3.1 : Backfilling

(Total 2000 characters)

9.3.2.3.2 : Area proposed to be covered by Plantation in Backfilled Area

- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
 - Impact Assessment
 - Mitigation Measure
 - Air Environment
 - Water Environment
 - Impact Asses Measure
 - Water Body
 - Water Balance
- Noise
- Vibration
- Socio-Economics
- Annexures

IBM Session time: 17 : 58 ACC Limited Mine Owner

Impact Assessment

Baseline Information

Environment Parameters

Impact Assessment

Impact Assessment

Mitigation Measure

Air Environment

Water Environment

Impact Asses Measure

Water Body

Water Balance

Noise

Vibration

Socio-Economics

Annexures

9.3.2.3.3 : Proposed Area under Agriculture

(Total 2000 characters)

9.3.2.3.4 : Proposed Area to be converted to Grazing Land

9.3.2.3.5 : Ground water Recharging

IBM Session time: 17 : 23 ACC Limited Mine Owner

Impact Assessment

Baseline Information

Environment Parameters

Impact Assessment

Impact Assessment

Mitigation Measure

Air Environment

Water Environment

Impact Asses Measure

Water Body

Water Balance

Noise

Vibration

Socio-Economics

Annexures

9.3.2.3.6 : Green Belt Development

9.3.2.3.7 : Agriculture

← Previous
Save & Next
Print All
Next →

11.3.3 Air Environment:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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DASHBOARD

- General Information
- Geology(Ug)
- Mineral Beneficiation
- Mining Operations(Ug)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
- Impact Assessment
- Mitigation Measure
- Air Environment
- Water Environment

IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.3 Air Environment

9.3.3.1 : Climate & Meteorology (Please provide average of 10 years)

Temperature (°C)		Relative Humidity (%)	Average Rainfall (mm)
Maximum	<input type="text"/>	<input type="text"/>	<input type="text"/>
Minimum	<input type="text"/>		

9.3.3.2 : Air Quality Details for Base line Information / Present Status

Sr. No.	Station Name	Season	PM10 (µg/m ³)	PM10 Excess (µg/m ³) ²	PM2.5 (µg/m ³)	PM2.5 Excess (µg/m ³) ²	SO2 Value (µg/m ³)	SO2 Excess (µg/m ³)
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

← Previous Save & Next Print All Next →

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DASHBOARD

- General Information
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- Baseline Information
- Environment Parameters
- Impact Assessment
- Impact Assessment
- Mitigation Measure
- Air Environment
- Water Environment

IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.3 Air Environment

9.3.3.1 : Climate & Meteorology (Please provide average of 10 years)

Temperature (°C)		Relative Humidity (%)	Average Rainfall (mm)
Maximum	<input type="text"/>	<input type="text"/>	<input type="text"/>
Minimum	<input type="text"/>		

9.3.3.2 : Air Quality Details for Base line Information / Present Status

(µg/m ³)	PM2.5 Excess (µg/m ³) ²	SO2 Value (µg/m ³)	SO2 Excess (µg/m ³)	NOX Value (µg/m ³)	NOX Excess (µg/m ³)	Date of Observation	Action
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	dd-mm-yy	<input type="text"/>

← Add more

← Previous Save & Next Print All Next →

11.3.4 Water Environment:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

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IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.4 Water Environment

9.3.4.1 : RAIN WATER
9.3.4.1.1 : Base / Present Status
(Details of Rivers, Springs, Lakes, Reservoirs & Drains up to First Order in Study Area)

(Total 2000 characters)

9.3.4.1.2 : Anticipated Impact
(Impact on Surface Water Bodies / Groundwater Table Regime / Streams / Lake / Springs due to Mining, to be Assessed from Hydro-geological Study Give details about impact on vegetation)

Navigation: Mine Closure Plan, Financial Assurance, Impact Assessment, Baseline Information, Environment Parameters, Impact Assessment, Impact Assessment, Mitigation Measure, Air Environment, Water Environment, Impact Asses Measure, Water Body, Water Balance, Noise, Vibration, Socio-Economics

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(Total 2000 characters)

9.3.4.1.2 : Anticipated Impact
(Impact on Surface Water Bodies / Groundwater Table Regime / Streams / Lake / Springs due to Mining, to be Assessed from Hydro-geological Study Give details about impact on vegetation)

(Total 2000 characters)

9.3.4.1.3 : Mitigation Measure
(Possibilities of Rain Water Harvesting & Artificial Recharge with in the Mining Lease)

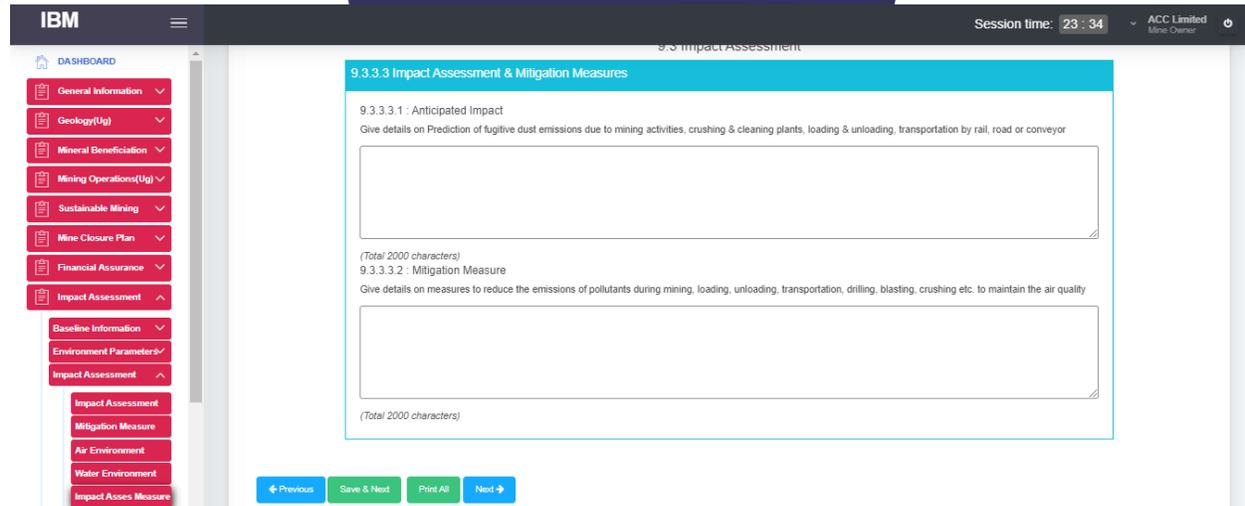
(Total 2000 characters)

[← Previous](#) [Save & Next](#) [Print All](#) [Next →](#)

Navigation: Mine Closure Plan, Financial Assurance, Impact Assessment, Baseline Information, Environment Parameters, Impact Assessment, Impact Assessment, Mitigation Measure, Air Environment, Water Environment, Impact Asses Measure, Water Body, Water Balance, Noise, Vibration, Socio-Economics, Annexures

11.3.5 Impact Assessment & Mitigation Measures:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



9.3 Impact Assessment

9.3.3.3 Impact Assessment & Mitigation Measures

9.3.3.3.1 : Anticipated Impact
Give details on Prediction of fugitive dust emissions due to mining activities, crushing & cleaning plants, loading & unloading, transportation by rail, road or conveyor

(Total 2000 characters)

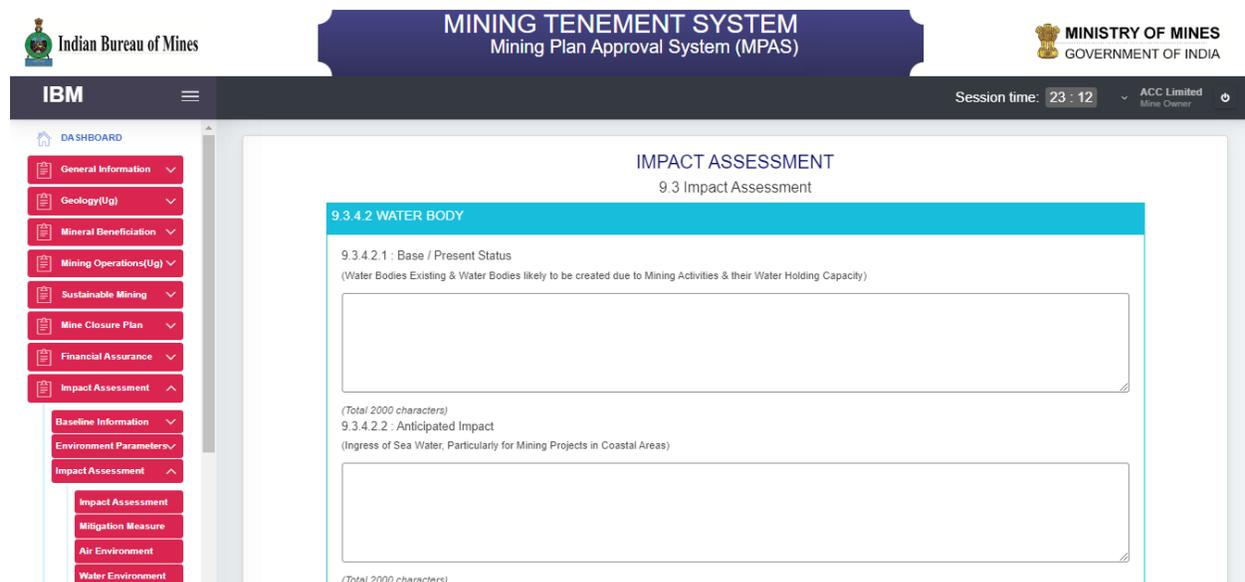
9.3.3.3.2 : Mitigation Measure
Give details on measures to reduce the emissions of pollutants during mining, loading, unloading, transportation, drilling, blasting, crushing etc. to maintain the air quality

(Total 2000 characters)

← Previous Save & Next Print All Next →

11.3.6 Water Body:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

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Session time: 23 : 12 ACC Limited Mine Owner

DASHBOARD

General Information
Geology(Ug)
Mineral Beneficiation
Mining Operations(Ug)
Sustainable Mining
Mine Closure Plan
Financial Assurance
Impact Assessment

Baseline Information
Environment Parameters
Impact Assessment

Impact Assessment
Mitigation Measure
Air Environment
Water Environment

IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.4.2 WATER BODY

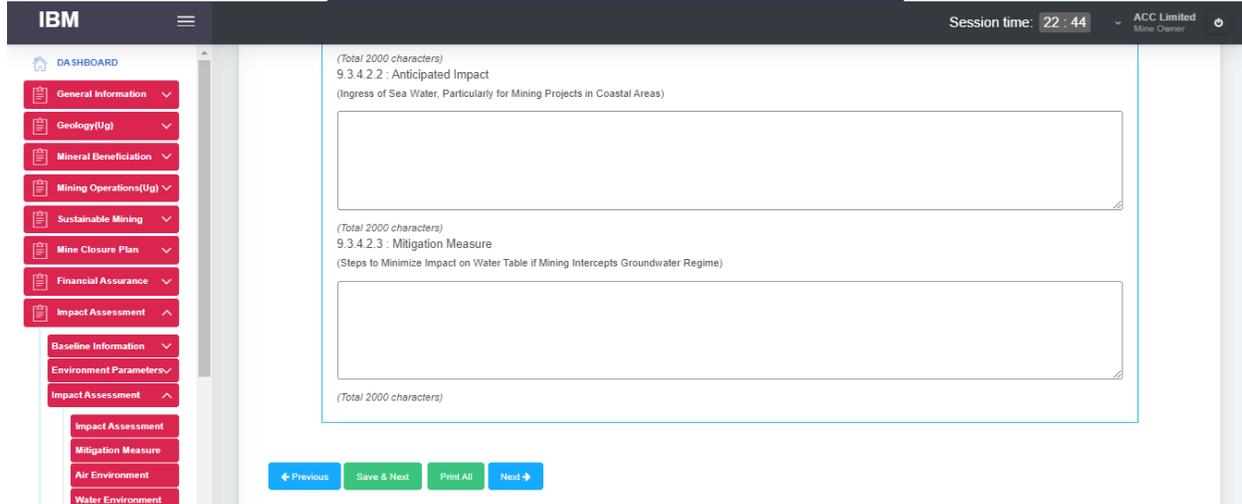
9.3.4.2.1 : Base / Present Status
(Water Bodies Existing & Water Bodies likely to be created due to Mining Activities & their Water Holding Capacity)

(Total 2000 characters)

9.3.4.2.2 : Anticipated Impact
(Ingress of Sea Water, Particularly for Mining Projects in Coastal Areas)

(Total 2000 characters)

← Previous Save & Next Print All Next →



IBM Session time: 22 : 44 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Ug)
- Mineral Beneficiation
- Mining Operations(Ug)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
- Impact Assessment
- Mitigation Measure
- Air Environment
- Water Environment

(Total 2000 characters)
9.3.4.2.2 : Anticipated Impact
(Ingress of Sea Water, Particularly for Mining Projects in Coastal Areas)

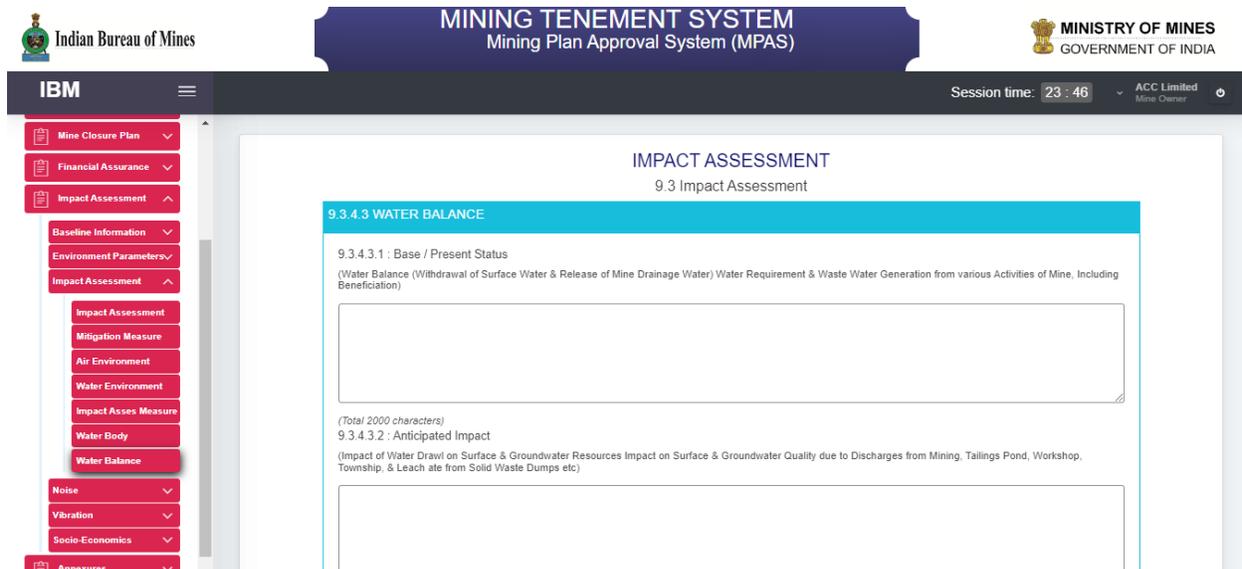
(Total 2000 characters)
9.3.4.2.3 : Mitigation Measure
(Steps to Minimize Impact on Water Table if Mining Intercepts Groundwater Regime)

(Total 2000 characters)

← Previous Save & Next Print All Next →

11.3.7 Water Balance:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Indian Bureau of Mines MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS) MINISTRY OF MINES
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IMPACT ASSESSMENT
9.3 Impact Assessment

9.3.4.3 WATER BALANCE

9.3.4.3.1 : Base / Present Status
(Water Balance (Withdrawal of Surface Water & Release of Mine Drainage Water) Water Requirement & Waste Water Generation from various Activities of Mine, Including Beneficiation)

(Total 2000 characters)
9.3.4.3.2 : Anticipated Impact
(Impact of Water Drawl on Surface & Groundwater Resources Impact on Surface & Groundwater Quality due to Discharges from Mining, Tailings Pond, Workshop, Township, & Leach ate from Solid Waste Dumps etc)

- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
- Impact Assessment
- Mitigation Measure
- Air Environment
- Water Environment
- Impact Asses Measure
- Water Body
- Water Balance
- Note
- Vibration
- Socio-Economics
- Annexures

IBM Session time: 23 : 04 ACC Limited Mine Owner

- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
 - Impact Assessment
 - Mitigation Measure
 - Air Environment
 - Water Environment
 - Impact Asses Measure
 - Water Body
 - Water Balance
- Noise
- Vibration
- Socio-Economics
- Annexures

township, & Leach ale from Solid Waste Dumps etc)

(Total 2000 characters)

9.3.4.3.3 : Mitigation Measure
(Construction of Check Dams, Sedimentation Ponds, Settling Tanks, Retaining Walls etc. with Design & Site Features for Control of run-off Mine Water Treatment for Meeting the Prescribed Standard Waste Water Treatment for Township Sewage, Workshop(s), Tailing Pond Overflow etc)

(Total 2000 characters)

← Previous Save & Next Print All Next →

11.4. Noise:

- Noise consists of 4 sections.
- Noise, Noise Details (Part-1), Noise Details (Part-2) & Noise Impact Assessment.

11.4.1 Noise:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 36 ACC Limited Mine Owner

- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Impact Assessment
- Baseline Information
- Environment Parameters
- Impact Assessment
- Noise
 - Noise
 - Noise Details-(Part-1)
 - Noise Details-(Part-2)
 - Nois Impact Assesme
- Vibration
- Socio-Economics
- Annexures

IMPACT ASSESSMENT
9.3.5 Noise

9.3.5 Noise

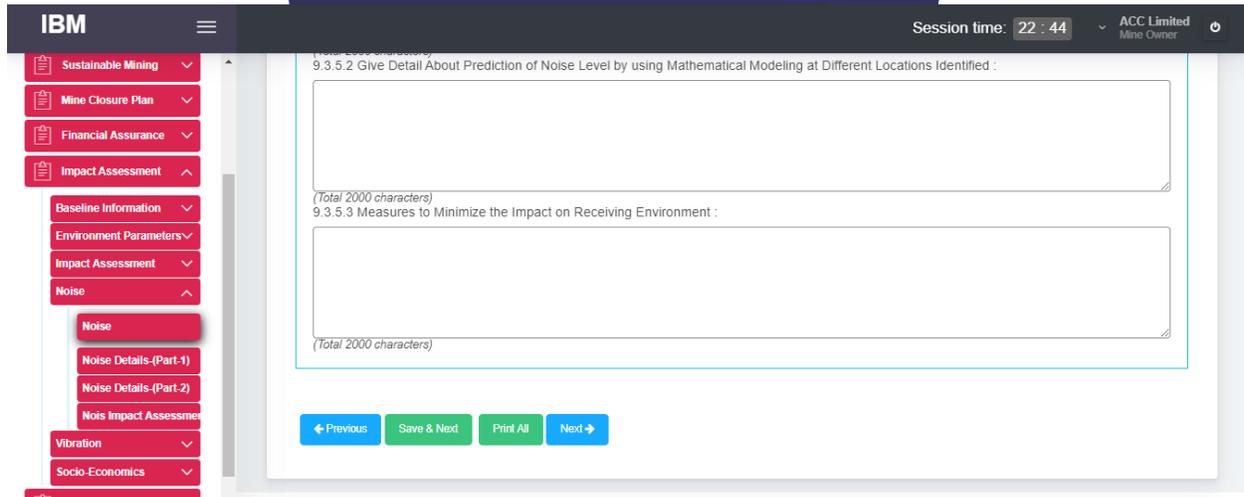
9.3.5.1 Critical Locations Identified within Lease Area :

(Total 2000 characters)

9.3.5.2 Give Detail About Prediction of Noise Level by using Mathematical Modeling at Different Locations Identified :

(Total 2000 characters)

9.3.5.3 Measures to Minimize the Impact on Receiving Environment :



IBM Session time: 22 : 44 ACC Limited Mine Owner

9.3.5.2 Give Detail About Prediction of Noise Level by using Mathematical Modeling at Different Locations Identified :

(Total 2000 characters)

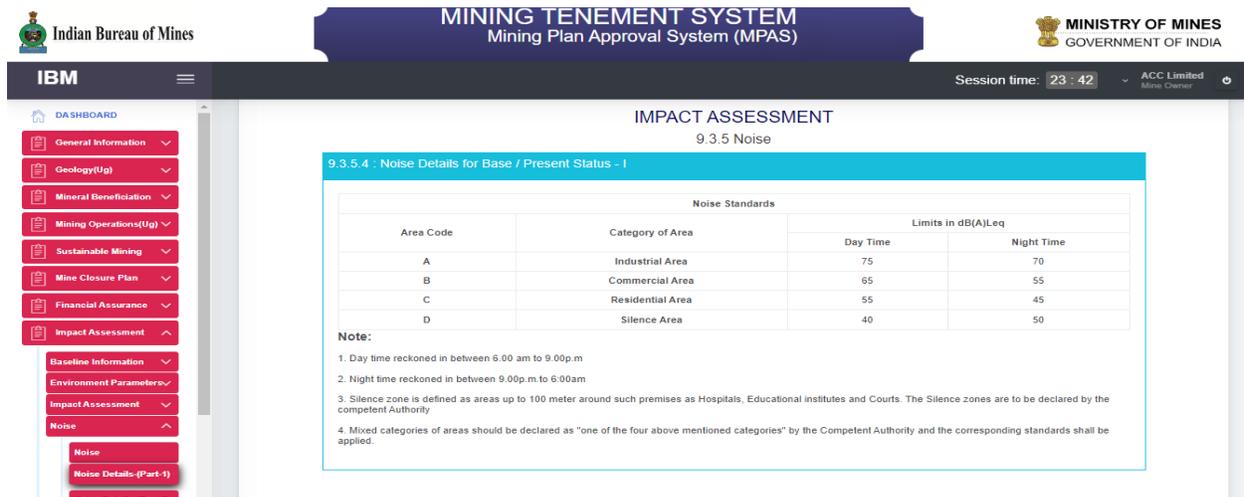
9.3.5.3 Measures to Minimize the Impact on Receiving Environment :

(Total 2000 characters)

Navigation buttons: Previous, Save & Next, Print All, Next

11.4.2 Noise Details for Base/Present Status - I:

- This section only displays data.



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IMPACT ASSESSMENT
9.3.5 Noise

9.3.5.4 : Noise Details for Base / Present Status - I

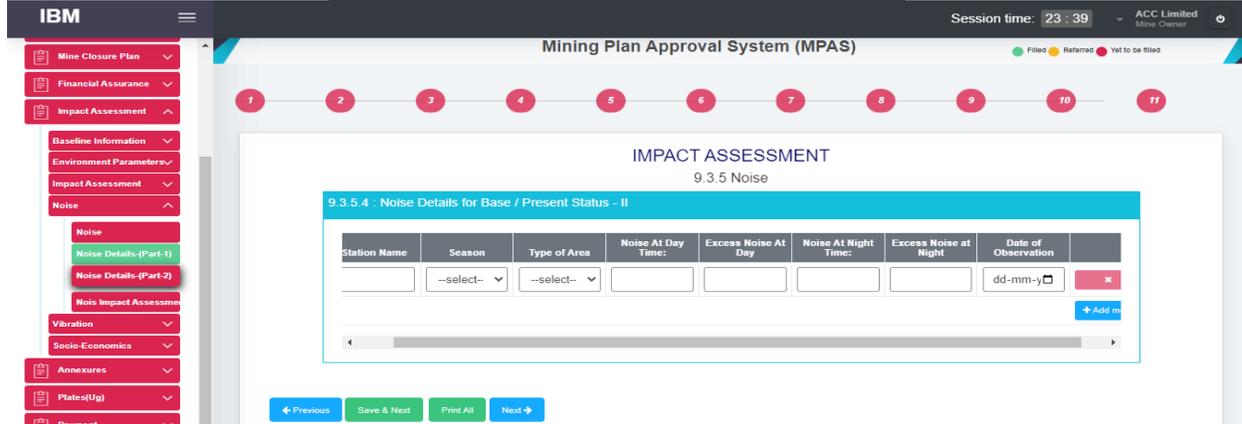
Area Code	Category of Area	Limits in dB(A)Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Area	40	50

Note:

- Day time reckoned in between 6.00 am to 9.00p.m
- Night time reckoned in between 9.00p.m.to 6:00am
- Silence zone is defined as areas up to 100 meter around such premises as Hospitals, Educational institutes and Courts. The Silence zones are to be declared by the competent Authority
- Mixed categories of areas should be declared as "one of the four above mentioned categories" by the Competent Authority and the corresponding standards shall be applied.

11.4.3 Noise Details for Base/Present Status - II:

- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 39 ACC Limited Mine Owner

Mining Plan Approval System (MPAS)

IMPACT ASSESSMENT
9.3.5 Noise

9.3.5.4 : Noise Details for Base / Present Status - II

Station Name	Season	Type of Area	Noise At Day Time:	Excess Noise At Day	Noise At Night Time:	Excess Noise at Night	Date of Observation
<input type="text"/>	--select--	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	dd-mm-yy <input type="text"/>

Buttons: Previous, Save & Next, Print All, Next

11.4.4 Impact Assessment & Mitigation Measure:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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Session time: 23 : 39 ACC Limited Mine Owner

Mining Plan Approval System (MPAS)

IMPACT ASSESSMENT
9.3.5 Noise

9.3.5.5 Impact Assessment & Mitigation Measures

9.3.5.5.1 Anticipated Impact:
Give details on impact on ambient noise level due to rock excavation, transportation, processing equipments & ancillaries

(Total 2000 characters)

9.3.5.5.2 Mitigation Measure:
Give details on measures for noise abatement including point source & line source

(Total 2000 characters)

11.5. Vibration:

- Vibration consists of 2 sections.
- Vibration Details, Vibration Impact Assessment.

11.5.1 Vibration Details for Base/Present Status:

- Enter data as per requirement.
- For Add More Row please refer **1.1 Initial Lease Details** Section

- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

Session time: 23 : 17 ACC Limited Mine Owner

IBM

Sustainable Mining
Mine Closure Plan
Financial Assurance
Impact Assessment

Baseline Information
Environment Parameters
Impact Assessment
Noise
Vibration

Vibration Details
Vibration Impact Asses
Socio-Economics
Annexures
Plates(Ug)

IMPACT ASSESSMENT
9.3.6 Vibration

9.3.6.1 Vibration Details for Base / Present Status

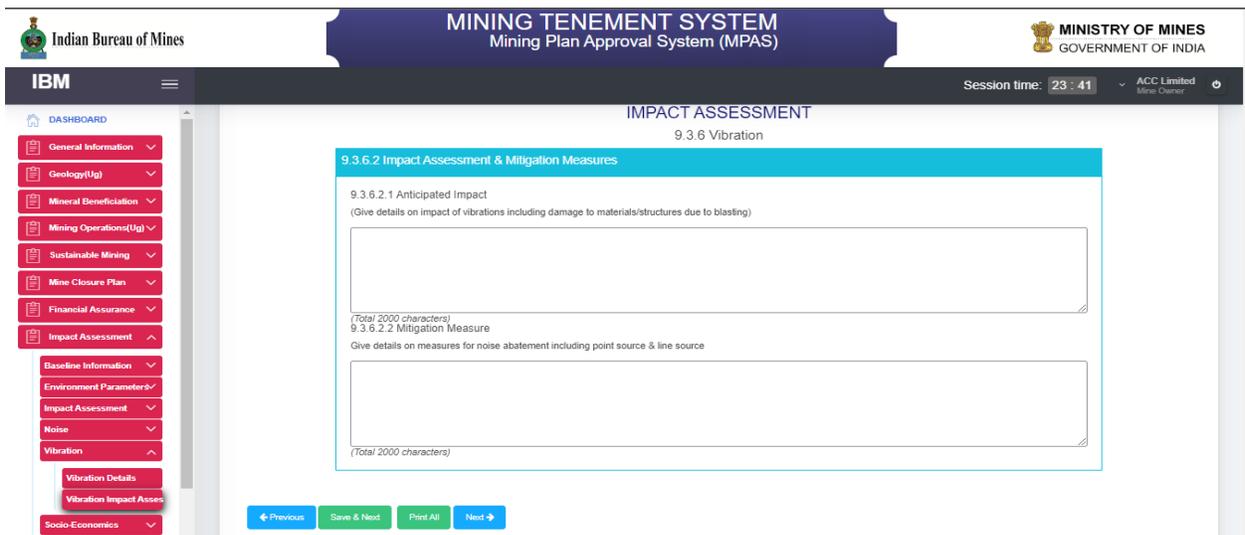
Sl. No.	Station Name	Season	Distance from the Blasting Site (m)	Peak Particle Velocity (mm/s)	Air Over Pressure (DB)	Frequency (Hz)	Date of Observation
1	<input type="text"/>	--select--	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	dd-mm-y <input type="text"/>

+ Add more

← Previous Save & Next Print All Next →

11.5.2 Impact Assessment & Mitigation Measures:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



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MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

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Session time: 23 : 41 ACC Limited Mine Owner

IBM

DASHBOARD

General Information
Geology(Ug)
Mineral Beneficiation
Mining Operations(Ug)
Sustainable Mining
Mine Closure Plan
Financial Assurance
Impact Assessment

Baseline Information
Environment Parameters
Impact Assessment
Noise
Vibration

Vibration Details
Vibration Impact Asses
Socio-Economics

IMPACT ASSESSMENT
9.3.6 Vibration

9.3.6.2 Impact Assessment & Mitigation Measures

9.3.6.2.1 Anticipated Impact
(Give details on impact of vibrations including damage to materials/structures due to blasting)

(Total 2000 characters)

9.3.6.2.2 Mitigation Measure
(Give details on measures for noise abatement including point source & line source)

(Total 2000 characters)

← Previous Save & Next Print All Next →

11.6. Socio-Economic:

- Socio-Economic consists of 7 sections.
- Demographic Profile (Part-1), Demographic Profile (Part-2), Traditional Skills, Economic Profile, Human Settlement, Health Profile & Historically

11.6.1 Demographic Profile-I:

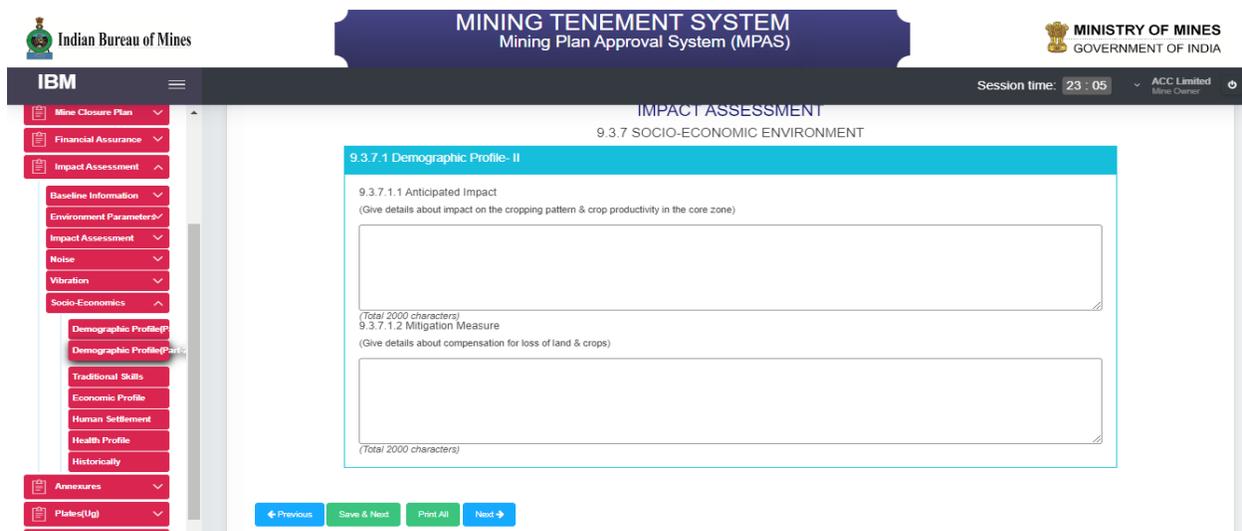
- Enter data as per requirement.
- For Add More Row please refer **1.1.1 Initial Lease Details** Section
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'IMPACT ASSESSMENT' section of the 'MINING TENEMENT SYSTEM' (Mining Plan Approval System - MPAS). The user is logged in as 'ACC Limited Mine Owner'. The current section is '9.3.7 SOCIO-ECONOMIC ENVIRONMENT' and the specific form is '9.3.7.1 Demographic Profile- I'. The form contains a table with the following columns: Sl. No., Type of Area, Name of Village, Total Population, Male to Female Ratio, Literacy Rate (%), and Employment Rate (%). There is one row with '1' in the 'Sl. No.' column and '--selec' in the 'Type of Area' column. Below the table is an 'Add more' button. At the bottom of the form are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'.

11.6.2 Demographic Profile-II:

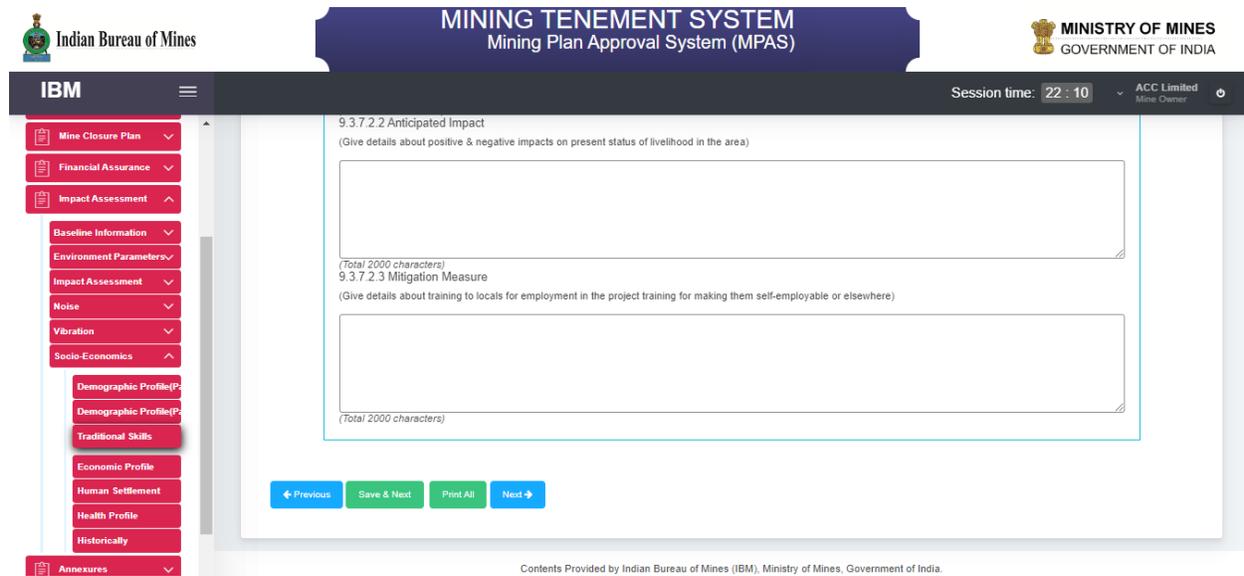
- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the 'IMPACT ASSESSMENT' section of the 'MINING TENEMENT SYSTEM' (Mining Plan Approval System - MPAS). The user is logged in as 'ACC Limited Mine Owner'. The current section is '9.3.7 SOCIO-ECONOMIC ENVIRONMENT' and the specific form is '9.3.7.1 Demographic Profile- II'. The form contains two text input areas. The first is for '9.3.7.1.1 Anticipated Impact' with a sub-instruction '(Give details about impact on the cropping pattern & crop productivity in the core zone)'. The second is for '9.3.7.1.2 Mitigation Measure' with a sub-instruction '(Give details about compensation for loss of land & crops)'. Both text areas have a '(Total 2000 characters)' limit. At the bottom of the form are navigation buttons: 'Previous', 'Save & Next', 'Print All', and 'Next'.

11.6.3 Traditional Skills & Science of Livelihood:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



The screenshot shows the Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines (IBM) logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines, Government of India logo. The session time is 22:10. The left sidebar contains a menu with options like Mine Closure Plan, Financial Assurance, Impact Assessment, Baseline Information, Environment Parameters, Impact Assessment, Noise, Vibration, Socio-Economics, Demographic Profile, Traditional Skills, Economic Profile, Human Settlement, Health Profile, Historically, and Annexures. The main content area displays the '9.3.7.2.2 Anticipated Impact' section, which includes a text input field for details about positive and negative impacts on present status of livelihood in the area. Below this is the '9.3.7.2.3 Mitigation Measure' section, also with a text input field for details about training to locals for employment in the project. Navigation buttons for Previous, Save & Next, Print All, and Next are visible at the bottom of the form.



The screenshot shows the Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines (IBM) logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines, Government of India logo. The session time is 23:47. The left sidebar contains a menu with options like Mine Closure Plan, Financial Assurance, Impact Assessment, Baseline Information, Environment Parameters, Impact Assessment, Noise, Vibration, Socio-Economics, Demographic Profile, Traditional Skills, Economic Profile, Human Settlement, Health Profile, Historically, and Annexures. The main content area displays the 'IMPACT ASSESSMENT' section, specifically '9.3.7.2 SOCIO-ECONOMIC ENVIRONMENT'. It includes the '9.3.7.2.1 Base / Present Status' section with a text input field for details about present status on traditional skills & source of livelihood. Below this is the '9.3.7.2.2 Anticipated Impact' section with a text input field for details about positive and negative impacts on present status of livelihood in the area. At the bottom, there is the '9.3.7.2.3 Mitigation Measure' section with a text input field for details about training to locals for employment in the project.

11.6.4 Economic Profile of the Population in Core & Buffer Zone:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 49 ACC Limited Mine Owner

IMPACT ASSESSMENT
9.3.7 SOCIO-ECONOMIC ENVIRONMENT

9.3.7.3 Economic Profile of the Population in Core & Buffer Zone

9.3.7.3.1 Base / Present Status
(Give details about economic profile of the population in core & buffer zone)

(Total 2000 characters)

9.3.7.3.2 Anticipated Impact
(Give details about impact on community resources such as grazing land)

(Total 2000 characters)

9.3.7.3.3 Mitigation Measure
(Give details about employment opportunities & access to other amenities such as education, health care facilities to be extended to locals, addressing local unemployment, tourism or recreation opportunities, efforts for sustainable development of the local community)

(Total 2000 characters)

IBM Session time: 22 : 14 ACC Limited Mine Owner

IMPACT ASSESSMENT
Mining Plan Approval System (MPAS)

(Total 2000 characters)

9.3.7.3.2 Anticipated Impact
(Give details about impact on community resources such as grazing land)

(Total 2000 characters)

9.3.7.3.3 Mitigation Measure
(Give details about employment opportunities & access to other amenities such as education, health care facilities to be extended to locals, addressing local unemployment, tourism or recreation opportunities, efforts for sustainable development of the local community)

(Total 2000 characters)

← Previous
Save & Next
Print All
Next →

11.6.5 Human Settlement in Core & Buffer Zone:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 50 ACC Limited Mine Owner

- Mine Closure Plan
- Financial Assurance
- Impact Assessment
 - Baseline Information
 - Environment Parameters
 - Impact Assessment
 - Noise
 - Vibration
 - Socio-Economics
 - Demographic Profile(P)
 - Demographic Profile(P)
 - Traditional Skills
 - Economic Profile
 - Human Settlement**
 - Health Profile
 - Historically
- Annexures

IMPACT ASSESSMENT
9.3.7 SOCIO-ECONOMIC ENVIRONMENT

9.3.7.4 Human Settlement in Core & Buffer Zone

9.3.7.4.1 Base / Present Status
(Give details about human settlement in core & buffer zone)

(Total 2000 characters)

9.3.7.4.2 Anticipated Impact
(Give details about any displacement of human settlements during the life of the mine)

(Total 2000 characters)

9.3.7.4.3 Mitigation Measure
(Give details about rehabilitation & resettlement of land owners & displaced people)

IBM Session time: 23 : 08 ACC Limited Mine Owner

- Mine Closure Plan
- Financial Assurance
- Impact Assessment
 - Baseline Information
 - Environment Parameters
 - Impact Assessment
 - Noise
 - Vibration
 - Socio-Economics
 - Demographic Profile(P)
 - Demographic Profile(P)
 - Traditional Skills
 - Economic Profile
 - Human Settlement**
 - Health Profile
 - Historically
- Annexures

(Total 2000 characters)

9.3.7.4.2 Anticipated Impact
(Give details about any displacement of human settlements during the life of the mine)

(Total 2000 characters)

9.3.7.4.3 Mitigation Measure
(Give details about rehabilitation & resettlement of land owners & displaced people)

(Total 2000 characters)

← Previous
Save & Next
Print All
Next →

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

11.6.6 Human Profile of Population in Core & Buffer Zone:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 49 ACC Limited Mine Owner

- Baseline Information
- Environment Parameters
- Impact Assessment
- Noise
- Vibration
- Socio-Economics
 - Demographic Profile(P)
 - Demographic Profile(P)
 - Traditional Skills
 - Economic Profile
 - Human Settlement
 - Health Profile
 - Historically
- Annexures
- Plates(Ug)
- Payment

IMPACT ASSESSMENT

9.3.7 SOCIO-ECONOMIC ENVIRONMENT

9.3.7.5 Health Profile of Population in Core & Buffer Zone

9.3.7.5.1 Base / Present Status
(Give details about health profile of population in core & buffer zone)

(Total 2000 characters)

9.3.7.5.2 Anticipated Impact
(Give details about any adverse impact on the general health condition of the population in core & buffer zone)

(Total 2000 characters)

9.3.7.5.3 Mitigation Measure

IBM Session time: 22 : 39 ACC Limited Mine Owner

- Baseline Information
- Environment Parameters
- Impact Assessment
- Noise
- Vibration
- Socio-Economics
 - Demographic Profile(P)
 - Demographic Profile(P)
 - Traditional Skills
 - Economic Profile
 - Human Settlement
 - Health Profile
 - Historically
- Annexures
- Plates(Ug)
- Payment

(Total 2000 characters)

9.3.7.5.2 Anticipated Impact
(Give details about any adverse impact on the general health condition of the population in core & buffer zone)

(Total 2000 characters)

9.3.7.5.3 Mitigation Measure
(Give details about avenues like dispensaries, hospitals, maternity homes if any to be created)

(Total 2000 characters)

← Previous
Save & Next
Print All
Next →

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India

11.6.7 Historically, Culturally & Ecologically Important Places in Core & Buffer Zone:

- Enter data as per requirement.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.

IBM Session time: 23 : 55 ACC Limited Mine Owner

IMPACT ASSESSMENT
9.3.7 SOCIO-ECONOMIC ENVIRONMENT

9.3.7.6 Historically, Culturally & Ecologically Important Places in Core & Buffer Zone

9.3.7.6.1 Base / Present Status
(Give details about historically, culturally & ecologically important places in core & buffer zone)

(Total 2000 characters)

9.3.7.6.2 Anticipated Impact
(Give details about risk profiling)

(Total 2000 characters)

9.3.7.6.3 Mitigation Measure

(Total 2000 characters)

IBM Session time: 22 : 49 ACC Limited Mine Owner

IMPACT ASSESSMENT
9.3.7 SOCIO-ECONOMIC ENVIRONMENT

9.3.7.6.2 Anticipated Impact
(Give details about risk profiling)

(Total 2000 characters)

9.3.7.6.3 Mitigation Measure
(Give details about public health benefits (e.g. clean water to an aboriginal community), measure for safeguard against damage etc.)

(Total 2000 characters)

← Previous
Save & Next
Print All
Next →

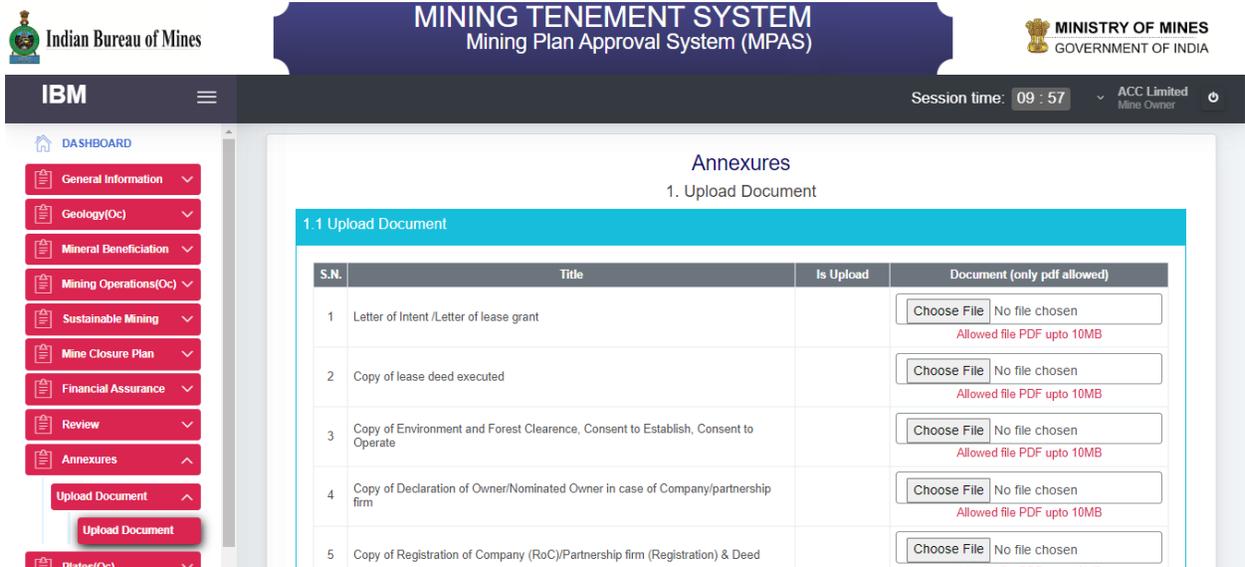
12) Annexure

Annexure consist of 1 section:

1) Upload Document

12.1. Upload Document:

- Multiple Upload only PDF file format allowed up to 10MB.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 09 : 57 ACC Limited Mine Owner

DASHBOARD

General Information
Geology(Oc)
Mineral Beneficiation
Mining Operations(Oc)
Sustainable Mining
Mine Closure Plan
Financial Assurance
Review
Annexures
Upload Document
Upload Document
Plates(Oc)

Annexures
1. Upload Document

1.1 Upload Document

S.N.	Title	Is Upload	Document (only pdf allowed)
1	Letter of Intent /Letter of lease grant		Choose File No file chosen Allowed file PDF upto 10MB
2	Copy of lease deed executed		Choose File No file chosen Allowed file PDF upto 10MB
3	Copy of Environment and Forest Clearance, Consent to Establish, Consent to Operate		Choose File No file chosen Allowed file PDF upto 10MB
4	Copy of Declaration of Owner/Nominated Owner in case of Company/partnership firm		Choose File No file chosen Allowed file PDF upto 10MB
5	Copy of Registration of Company (RoC)/Partnership firm (Registration) & Deed		Choose File No file chosen Allowed file PDF upto 10MB



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 09 : 21 ACC Limited Mine Owner

DASHBOARD

General Information
Geology(Oc)
Mineral Beneficiation
Mining Operations(Oc)
Sustainable Mining
Mine Closure Plan
Financial Assurance
Review
Annexures
Upload Document
Upload Document
Plates(Oc)

Annexures
1. Upload Document

1.1 Upload Document

S.N.	Title	Is Upload	Document (only pdf allowed)
4	Copy of Declaration of Owner/Nominated Owner in case of Company/partnership firm		Choose File No file chosen Allowed file PDF upto 10MB
5	Copy of Registration of Company (RoC)/Partnership firm (Registration) & Deed		Choose File No file chosen Allowed file PDF upto 10MB
6	ID & Address Proof of Owner/ Nominated Owner		Choose File No file chosen Allowed file PDF upto 10MB
7	Consent letter for Qualified Person		Choose File No file chosen Allowed file PDF upto 10MB
8	Experience & Qualification Details of Qualified Person		Choose File No file chosen Allowed file PDF upto 10MB
9	Copy of Study reports conducted as per Para 4.3.1		Choose File No file chosen Allowed file PDF upto 10MB
10	Copy of feasibility Report		Choose File No file chosen Allowed file PDF upto 10MB
11	Copy of Scale relaxation approval granted(if applicable)	<input type="radio"/> Yes <input type="radio"/> No	Choose File No file chosen Allowed file PDF upto 10MB

IBM Session time: 08 : 56 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- Annexures
- Upload Document
- Plates(Oc)

14	Any other Report or Certification as required in the submitted Document.	<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
15	Mineral processing flowsheet with stage wise recovery	<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
16	Copy of Bank Guarantee	<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
17	Copy of Performance Surety	<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
18	Copy of MDPA (as applicable)	<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
19	Any Other <input type="radio"/> Yes <input type="radio"/> No	

- After uploading PDF file, **Preview** link will appear to view the uploaded file.

IBM Session time: 23 : 53 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
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- Mining Operations(Oc)
- Sustainable Mining
- Mine Closure Plan
- Financial Assurance
- Review
- Annexures
- Upload Document
- Plates(Oc)

Annexures
1. Upload Document

1.1 Upload Document

S.N.	Title	Is Upload	Document (only pdf allowed)
1	Letter of Intent /Letter of lease grant		<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small> sample-pdf-file-new.pdf
2	Copy of lease deed executed		<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
3	Copy of Environment and Forest Clearance, Consent to Establish, Consent to Operate		<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small>
4	Copy of Declaration of Owner/Nominated Owner in case of Company/partnership firm		<input type="button" value="Choose File"/> No file chosen <small>Allowed file PDF upto 10MB</small> sample-pdf-file-new.pdf

13) 11A Plates (OC)

Plates (OC) consist of 1 section:

- 1) Upload Document

13.1 Upload Document:

- Multiple Upload only PDF & KMZ file format allowed up to 10MB.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data and get redirected to next section.



Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM

Session time: 23 : 52 ACC Limited Mine Owner

DASHBOARD

Plates(OC)

1. Upload Document

1.1 Upload Document

Sl.No.	Title	Is Upload	Document
1	LEASE SKETCH PLAN		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
2	SURFACE PLAN (KMZ FORMAT)(GEOREFERENCED) [A statutory plan as per MCDR, 2017. The Plan should be submitted showing different color codes for (1) Active Pits & Excavation area(2) Excavated area reclaimed & rehabilitated (3)Active dumps (4) Stabilized & rehabilitated dump area (5) Green belt (6) Mineral Stacks (7) Utilities such as plant, buildings etc (8) Lease boundary along with other details.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
3	SURFACE GEOLOGICAL PLAN OF THE LEASE (KMZ FORMAT)(GEOREFERENCED) [The Plan should be submitted showing different color codes for : (1) Lithological/Geological Occurance (2) Area under G1,G2,G3 & G4 (3) Active pits & Excavation area (4) Dump Area (5) Mineral Stacks (6) Lease boundary along with other details.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
4	SURFACE GEOLOGICAL SECTIONS (IN PDF FORMAT) [Geological sections with different color coding depicting all the features shown in		Choose File No file chosen



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Session time: 23 : 07 ACC Limited Mine Owner

DASHBOARD

Plates(OC)

1. Upload Document

6	FIVE YEAR PRODUCTION AND DEVELOPMENT SECTIONS (IN PDF FROMAT) [Year wise excavation and dumping proposals with different color coding depicting all the features as shown in the Five year Production and development plan.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
7	PROGRESSIVE MINE CLOUSER PLAN (KMZ FORMAT)(GEOREFERENCED) [The Plan should be submitted showing different color coding for : (1) Yearwise excavated area Reclaimed & rehabilitated for year I to V (2) Year wise dump area to be stabilized and dump area to be rehabilitated for year I to V (3) Year wise Green area proposed from year I to V(4)Any other reclamation and rehabilitation measures proposed (5) Lease boundary (with reference to chapter 6) along with other details.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
8	PROGRESSIVE MINE CLOUSER SECTIONS (IN PDF FORMAT) [Year wise Progressive mine clouser sections showing all the yearwise reclamation, rehablitaion proposals as depicted in the Progressive mine clouser plan.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
9	CONCEPTUAL PLAN AND SECTION (KMZ FORMAT)(GEOREFERENCED) [The Plan should depict the staus of lease area as envisaged at the end of life of Mine showing all the details- Status of land use shall be depicted by different color coding.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
10	GEO REFERENCED CADASTRAL PLAN [Duly certified by the State Government]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB
11	ENVIRONMENTAL PLAN (KMZ FORMAT)(GEOREFERENCED) [As per MCDR, 2017 indicating all the details.]		Choose File No file chosen Allowed file PDF, KMZ upto 10MB

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DASHBOARD

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- Review
- Annexures
- Plates(Oc)
- Upload Document

9	CONCEPTUAL PLAN AND SECTION (KMZ FORMAT)(GEOREFERENCED) [The Plan should depict the status of lease area as envisaged at the end of life of Mine showing all the details. Status of land use shall be depicted by different color coding.]	<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB
10	GEO REFERENCED CADASTRAL PLAN [Duly certified by the State Government]	<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB
11	ENVIRONMENTAL PLAN (KMZ FORMAT)(GEOREFERENCED) [As per MCDR, 2017 indicating all the details.]	<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB
12	ANY OTHER PLAN/SECTION AS DEEMED NECESSARY BY APPROVING AUTHORITY	<input type="radio"/> Yes <input type="radio"/> No
13	FIVE YEAR PRODUCTION AND DEVELOPMENT SECTIONS (IN PDF FORMAT)	<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB

- After uploading PDF file, **Preview** link will appear to view the uploaded file.

IBM Session time: 23 : 52 ACC Limited Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
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- Mine Closure Plan
- Financial Assurance
- Review
- Annexures
- Plates(Oc)
- Upload Document

SL.No.	Title	Is Upload	Document
1	LEASE SKETCH PLAN		<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB sample-pdf-file-new.pdf
2	SURFACE PLAN (KMZ FORMAT)(GEOREFERENCED) [A statutory plan as per MCDR, 2017. The Plan should be submitted showing different color codes for: (1) Active Pits & Excavation area(2) Excavated area reclaimed & rehabilitated (3)Active dumps (4) Stabilized & rehabilitated dump area. (5) Green belt (6) Mineral Stacks (7) Utilities such as plant, buildings etc (8) Lease boundary along with other details.]		<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB
3	SURFACE GEOLOGICAL PLAN OF THE LEASE (KMZ FORMAT)(GEOREFERENCED) [The Plan should be submitted showing different color codes for : (1) Lithological/Geological Occurance (2) Area under G1, G2, G3 & G4 (3) Active pits & Excavation area (4) Dump Area (5) Mineral Stacks (6) Lease boundary along with other details.]		<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB 166705978635d510a1e394PROGRESSIVE_MINE_CLOSURE_PLAN.k
4	SURFACE GEOLOGICAL SECTIONS (IN PDF FORMAT) [Geological sections with different color coding depicting all the features shown in Surface Geological Plan.]		<input type="button" value="Choose File"/> No file chosen Allowed file PDF, KMZ upto 10MB
	FIVE YEAR PRODUCTION AND DEVELOPMENT PLAN (KMZ FORMAT)(GEOREFERENCED) [The Plan should be submitted showing different color coding for: (1) Active		

14) 11B Plates (UG)

- Please refer 11A Plates (OC) for this section.

15) Payment

Payment consists of 1 section:

1) Payment Details

15.1. Payment Details:

- Enter the required details for payment.
- If section is already saved then **Update** will show instead of **Save & Next** button.
- Click on **Save & Next** to save data, window pop up will appear click on **Continue** to save.

- Click on **Print All PDF** will get opened on next tab.

general 1 / 75 50%

Chapter 1 : General Information

L1 : Lease Details

IBM Registration Number :	IBM/256/2011
Lease Code :	4848601
Mine Code :	38MPR18111
Name of Lessee :	ACC Limited
Address of Lessee :	Cement House 121, M K Road Mumbai
Type of Lessee :	PSU
Name of Mining Lease :	MEHGAON
State :	MADHYA PRADESH
District :	KATNI
Tehsil/ Taluk/ Mandal :	Vijaynagarh
Village :	Mehgaon
Lease Area (Ha) :	1530.22
Forest Area (Ha) :	10.0000
Name of Minerals :	LIMESTONE
Name of associated minerals :	CLAY (OTHERS)
Type :	Existing Lease

- After submitting payment details **Final Submit** button will appear, click on **Final Submit** button to submit the application.

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Mining Plan Approval System (MPAS)

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IBM Session time: 23 : 39 M/s NU Vista Limited Mine Owner

DASHBOARD

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- Review
- Annexures
- Plates(Oc)
- Payment
- Payment Details

Transaction ID/Receipt NO. * DemoTRANS123

PAO/DDO Name * Balkrishna Arora (DDO513)

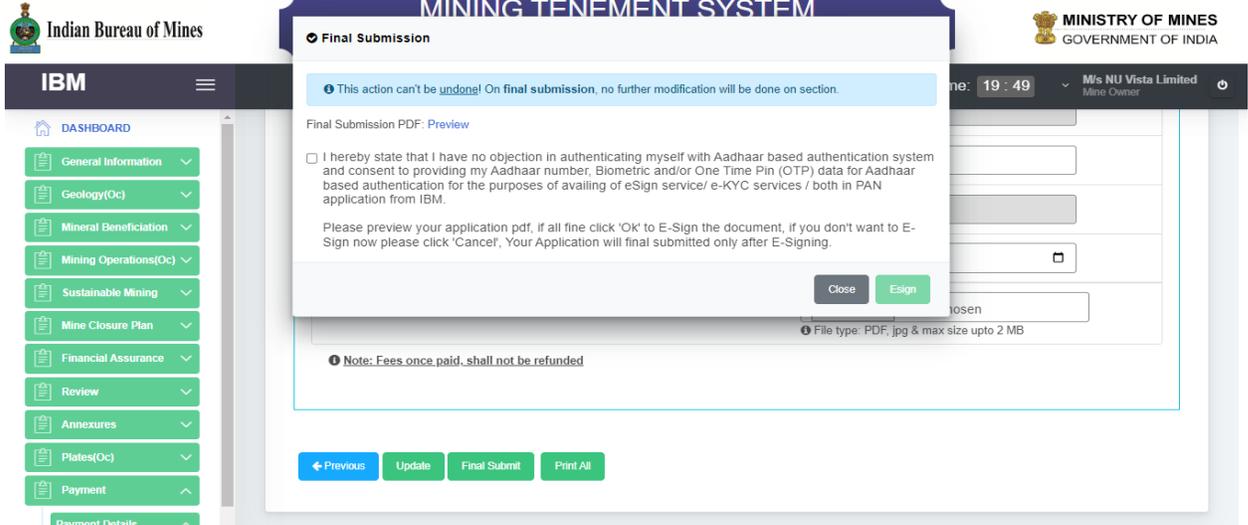
Date of Transaction* 08-12-2022

Upload Payment Receipt* Attach File : Copydemo.pdf Choose File No file chosen
File type: PDF, jpg & max size upto 2 MB

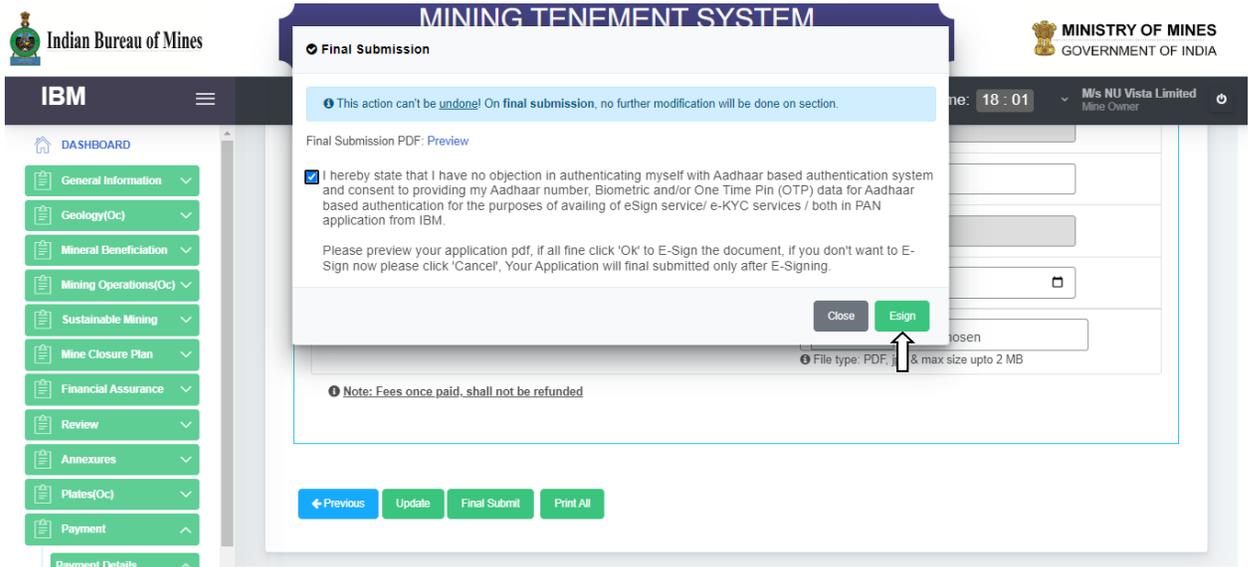
Note: Fees once paid, shall not be refunded

← Previous Update **Final Submit** Print All

- Click on **Final Submit** button, **Final Submission** widow will pop with **PDF Preview** option, click on checkbox to enable **Esign** button to proceed further.

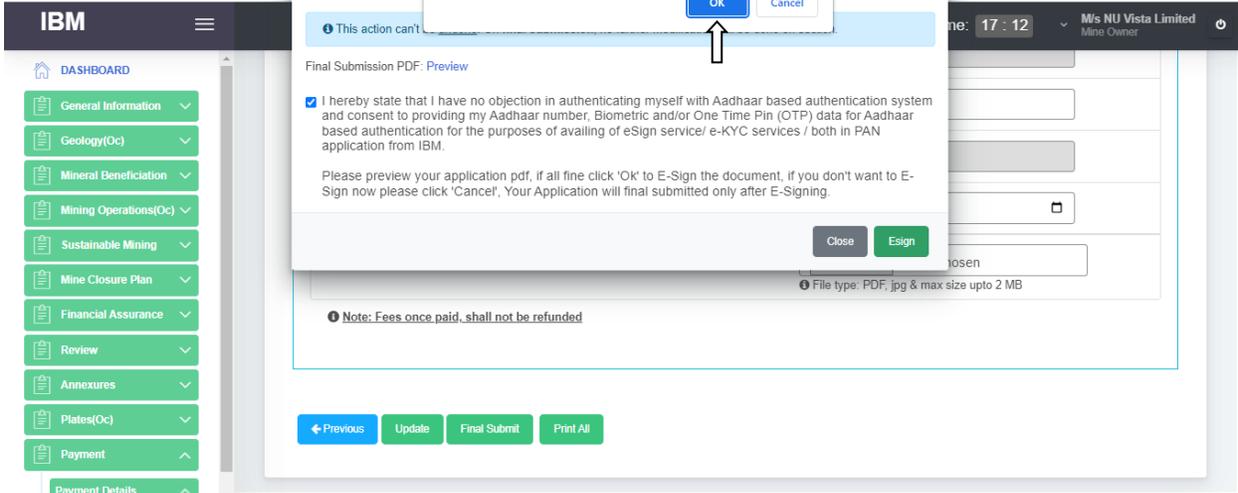


The screenshot shows the 'Final Submission' page of the Mining Tenement System. On the left is the IBM dashboard with a menu of options like 'General Information', 'Geology(Oc)', etc. The main content area has a warning: 'This action can't be undone! On final submission, no further modification will be done on section.' Below this is a 'Final Submission PDF: Preview' section with a checkbox for consent. The checkbox is currently unchecked. At the bottom of this section are 'Close' and 'Esign' buttons. A file upload area below shows 'File type: PDF, jpg & max size upto 2 MB'. At the very bottom are 'Previous', 'Update', 'Final Submit', and 'Print All' buttons.

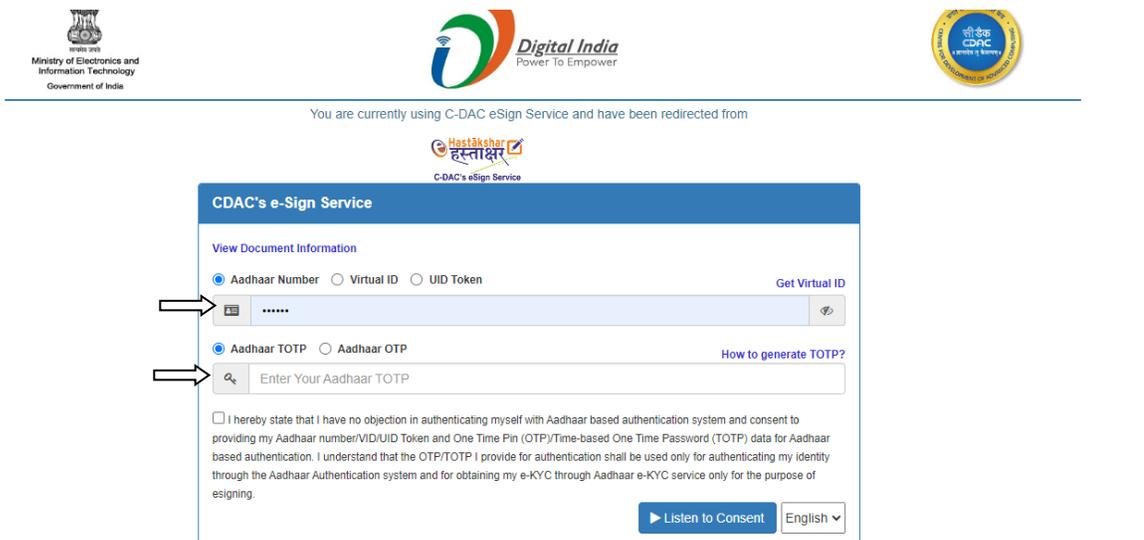


This screenshot is identical to the one above, but with a red arrow pointing to the 'Esign' button. The checkbox for consent is now checked, indicating that the user has agreed to the terms and is ready to proceed with e-signing.

- Click on **Esign** button, window pop up with Redirecting to CDAC. Click on **OK** button to proceed further.



- Click on **OK** button, Esign window will open.



- Enter **Aadhar Number** & check **Aadhar OTP** button, OTP will be send to your registered mobile number.



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National Informatics Centre



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CDAC's e-Sign Service

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Aadhaar Number Virtual ID UID Token [Get Virtual ID](#)

.....

Aadhaar TOTP Aadhaar OTP [How to generate TOTP?](#)

Enter Your Aadhaar OTP

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- Enter **OTP**& click on **Submit** button.

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.....

Aadhaar TOTP Aadhaar OTP [How to generate TOTP?](#)

Enter Your Aadhaar OTP

I hereby state that I have no objection in authenticating myself with Aadhaar based authentication system and consent to providing my Aadhaar number/VID/UID Token and One Time Pin (OTP)/Time-based One Time Password (TOTP) data for Aadhaar based authentication. I understand that the OTP/TOTP I provide for authentication shall be used only for authenticating my identity through the Aadhaar Authentication system and for obtaining my e-KYC through Aadhaar e-KYC service only for the purpose of e-signing.

OTP has been sent to mobile number <***6555>**

[Not Received OTP? Resend OTP](#)

Kindly click "Resend OTP" link after 26 seconds.

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- Window pops up with requesting and redirected back to application.

C-DAC's e-Sign Service

We are processing your request.
Please wait.....

View Document Information

Aadhaar Number Virtual ID UID Token Get Virtual ID

.....

Aadhaar TOTP Aadhaar OTP How to generate TOTP?

.....

I hereby state that I have no objection in authenticating myself with Aadhaar based authentication system and consent to providing my Aadhaar number/VID/UID Token and One Time Pin (OTP)/Time-based One Time Password (TOTP) data for Aadhaar based authentication. I understand that the OTP/TOTP I provide for authentication shall be used only for authenticating my identity through the Aadhaar Authentication system and for obtaining my e-KYC through Aadhaar e-KYC service only for the purpose of esigning.

▶ Listen to Consent English ▾

Submit Cancel Not Received OTP? Resend OTP

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Application successfully submitted!

Session time: 23 : 31 M/s NU Vista Limited Mine Owner

DASHBOARD
Lease Status
Logout

LEASE DETAILS

Show entries Search:

#	Lease/Area Name	ML/PB Code	Mine Code	Type	Payment Status	Action
1	NAGAURLIMESTONE MINE 032016 BLOCK 3B1A	8268701	38RAJ20013	ML	PENDING	View View PDF
2	NAGAUR LIMESTONE MINE 012016 BLOCK 3B1B	8268702	38RAJ20012	ML	--	Apply PDF
3	EMAMI CEMENT(395.05HA)	44376201	38CHG19001	ML	--	Apply PDF

Showing 1 to 3 of 3 entries Previous 1 Next

Total Statistics **3**

Applied	0
Replied	0
Referred Back	0
Approved	0
Rejected	2

Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

- After **Esigning** application has **submitted**.
- In dashboard, **Preview PDF** will appear to view PDF of **Final Submit**. With payment status **Pending**, this application is with **DDO** waiting for **Payment Confirm** or **Not Confirm**.

IBM Session time: 19 : 56 M/s NU Vista Limited Mine Owner

Mining Plan Approval System (MPAS) Filled Referred Yet to be filled

DASHBOARD

Lease Status

Logout

LEASE DETAILS

Show entries Search:

#	Lease/Area Name	ML/PB Code	Mine Code	Type	Payment Status	Action
1	NAGAU RLIMESTONE MINE 032016 BLOCK 3B1A	8268701	38RAJ20013	ML	PENDING	View
2	NAGAU RLIMESTONE MINE 012016 BLOCK 3B1B	8268702	38RAJ20012	ML	--	Apply
3	EMAMI CEMENT(395.05HA)	44376201	38CHG19001	ML	--	Apply

Showing 1 to 3 of 3 entries Previous 1 Next

Total Statistics

3

Applied 0

Replied 0

Referred Back 0

Approved 0

Rejected 2

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- To change **Pending** status to **Approved** need to login with **DDO**.