



User Manual

For

Mining Plan (MPAS)

For Applicants

Prepared By:



Central Projects Software Development and Training Centre(SDTC), Nagpur NationalInformaticsCentre

MinistryofElectronics&InformationTechnology GovernmentofIndia



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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.

🧕 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)			BOVERNMENT OF MINES		
		Home	Disclaimer	Web Policies	FAQ Contact	
The Parts	Mine Owner Login		200	(ex		
100	Username Enter User Name Like 000 Passward					
	TU45L2 OPlease enter captcha		10	en	-	
	Login To reset your password use 'Forgot Password' functionality at https://ibmreg.nic.in	E	71.5	A.		
	Mine Owner should use the credentials generated by ibmreg.nic in (Form K)		AL.			



- 3) If already logged in from adifferent 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 Cancelto cancel login.

🔇 MPAS - Mining Plan 🗙 💩 New Incognito Tab 🗙 🔮	MPAS - Mining Plan × +	
\leftrightarrow \Rightarrow C h miningplan.ibm.gov.in/MINING_PLAN/auth/login		🖈 🔲 🗂 Incognito 🗄
💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Alert: You Are Already Logged In	MINISTRY OF MINES GOVERNMENT OF INDIA
	You are Already Logged-In from Different Window/Browser. Continuing Here will Logout from Previous Window/Browser. Login Cancel Mine Owner Login Wername NDQSMJQ= Passovet Continuity of the Context of t	Home Disclaimer Web Policies FAQ Contact
Quick Link Address Home Indian Bureau of	Mines Bhawan Cuil Lines	

• 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.

0	
Username or password do not match. Please note: You have -1 more attempt to login	
Continue	



- 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.

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<u></u> ⊥+ Lease Status	~									
🕛 Logout		LEASE DETAILS Show entries			Se	arch:		Total Statistics	1	
		# 11 Lease/Area Name	ML/PB Code	Mine Code 💷 🛛 T	Type 💷 Payı	ment Status 斗	Action 11	Applied	0	
		1 DUMMY3	53921701 38	MSH475001 ML			Apply	Replied	0	
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								Approved	0	
								Rejected	0	
			Contents Provided	l by Indian Bureau of I	Mines (IBM), Minis	try of Mines, Govern	ment of India.			

7) Click on Apply button, which willopen General Information form.

1) General Information

💩 Indian Bureau of Mines	MININ		OF MINES NT OF INDIA		
IBM ≡				Session time: 23 : 14 v d	ne Owner
🟠 DASHBOARD		Mining Plan Approval	System (MPAS)	🔵 Filled 🛑 Referred 🛑 Yet to b	e filled
General Information		0 0 0	0	9 10	11
Lease Details InitialLeasedetails MPSubmissionCriteria		General I 1.1 Lea	nformation se Details		
Land Ownership Details \checkmark	1.1 Lease Details				
Existing Lease StatutoryCompliances Geology(Oc) V	IBM Registration Number:	Lease Code: 53921701	Mine Code: 38MSH475001	Name of Lessee:	
Image: Second system Image: Second system Image: Sustainable Mining Image: Second system	Address of Lessee:	Type of Lessee : Private	Name of Mining Lease:	State MAHARASHTRA	~
☐ Mine Closure Plan ∨					

General Information consist of 4 sections that are

- 1) Lease Details
- 2) Land Ownership Details



4) Statutory Compliances.

1.1 Lease Details:

It has a three sectionsLease Details, InitialLeasedetails and MPSubmissionCriteria.

- <u>1.1.1 Lease Details</u>:
 - 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.

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)				GOVERNMENT OF INDIA		
IBM ≡				Session	time: 17 : 10 v dummy one Mine Owner o		
DASHBOARD General Information LeaseDetails	1.1 Lease Details	General 1.1 Lea	Information ise Details				
Lease Details Initial Leasedetails	IBM Registration Number: IBM/44924/2022	Lease Code: 53921701	Mine Code: 38MSH475001	Name of Lessee: dummy one			
MP Submission-Citeria Land Ownership Debils_ Existing Lease	Address of Lessee:	Type of Lessee : Private	Name of Mining Lease: DUMMY3	State MAHARASHTRA			
E Geology(Oc) Mineral Beneficiation v	District	Zehsil/ Taluk/ Mandal	Village:	Lease área (Ha)			
Image: Sustainable Mining ✓	GADCHIROLI	Gadchiroli	Nagweli	100			
E Mine Closure Plan V	Forest Area (Ha):	LIMESTONE	Name of associated minerals:	Existing lease			
Image: Review V Image: Review V Image: Review V Image: Review V Image: Review V	Five Year Block (FY) From: 2022 - 23	Five Year Block (FY) To:	Type of working: Opencast	Nature of Use: Non Captive			
Payment V	Category of Mine: Category A						

• Then click on **Save & Next** button to save the data.

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

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre			
PLAN/introleasedetails/leasedetails				
МІ	miningplan.ibm.gov.in says Ensured that all details were correct before sub	OK Cancel		Sessio
GADCHIROLI	✓ Gadchiroli	Nagweli		100
Forest Area (Ha):	Name of Minerals:	Name of as	sociated minerals:	Type
Five Year Block (FY) From	Five Year Block (FY) To:	Type of wor	king:	Natu

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

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		Continue	AS)
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		General Information 1.1 Lease Details	
Lease Details			
3M Registration Number: IBM/44924/2022	Lease Code: 53921701	Mine Code: 38MSH475001	

<u>1.1.2 Initial Lease Details</u>:

- 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.

Digital India Power To Empower	ष्ट्रीय सूचना विज्ञान केंद्र ational Informatics	Centre			
💩 Indian Bureau of Mines	MIN	ING TENEM Mining Plan Appro	ENT SYSTE	M AS)	MINISTRY OF MINES GOVERNMENT OF INDIA
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🟠 DASHBOARD		_			
General Information			General Inform	ation	
LeaseDetails			1.1 Lease Deta	ails	
Lease Details	1.1.1 Initial Subsequent I	Lease Grant Details			
Initial Leasedetails	Grant	From	То	Lease deed execution date	Lease registration date
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StatutoryCompliances V					+ Add more
E Geology(Oc) ✓					Î
■ Mineral Beneficiation ∨					Ц
■ Mining Operations(Oc) ∨	← Previous Save & Next	Print All Next ->			

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

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Existing Lease \checkmark StatutoryCompliances \checkmark	Grant	From	То	Lease deed execution	date Lease registra	tion date	
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$ \stackrel{\triangle}{\equiv} \text{Mineral Beneficiation} \checkmark $						+ Add m	iore
$ \stackrel{[\Delta]}{\equiv} \text{ Mining Operations(Oc) } \checkmark $							
Sustainable Mining 🗸							
Mine Closure Plan V	← Previous Save & Next	Print All Next 🔿					

1.1.3MPSubmissionCriteria:

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

Indian Bureau of Mines	MINING TENE Mining Plan Ap	MENT SYSTEM proval System (MPAS)	BOVERNMENT OF IND
IBM ≡			Session time: 14 : 12 ~ ACC Limited Mine Owner
🟠 DASHBOARD			
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Lease Details InitialLeasedetails MPSubmissionCriteria	1.1.2 Mining Plan Submission Criteria Details Type of Document: Review of mining plan	Period for which subm	nission / modification is proposed
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This screen will appears.

- **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/Modificationadd some information in it.
- If selected option is Mining Plan,

📥 Indian Bureau of Mines	MINING TENEMENT SYS Mining Plan Approval System		STRY OF MINES	
IBM ≡	-		Session time: 11 : 35	✓ ACC Limited Mine Owner
🟠 DASHBOARD				
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Lease Details	1.1.2 Mining Plan Submission Criteria Details			
InitialLeasedetails	Type of Document:	LOI Number		
MPSubmissionCriteria	Mining plan ~	Please Enter LOI Number		
Land Ownership Details V	Date			
StatutoryCompliances ~	dd-mm-yyyy			
Geology(Oc)				
Mineral Beneficiation V				
Mining Operations(Oc) V	← Previous Save & Next Print All Next →			
🚊 Sustainable Mining 🗸				

- This screen will appears.
- 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.

→ C miningplan.ibm.gov.in/MINING_PLA	ort-Laxmi Bhada: 🗙 📥 MPAS - Mining Plan	× 👲 MPAS - Mining Plan	× S general	× +	✓ –
Indian Bureau of Mines	MINING	R TENEMENT SY	STEM		MINISTRY OF MIN GOVERNMENT OF IN
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1.2 Land Ownership Details

<u>1.2.1 Land Ownership Details:</u>

- 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 occurs.
- Click on Upload & verify Excelbutton , will open a pop-up window.

💑 Indian Bureau of Mines		MINISTRY OF MINES GOVERNMENT OF INDIA	
IBM ≡			Session time: 20 : 01 · ACC Limited Mine Owner •
🟠 DASHBOARD		Mining Plan Approval System (MPAS)	Filled – Referred – Yet to be filled
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☐ Mining Operations(Oc) ∨			
Sustainable Mining V	← Previous Save & Next Pri	nt All Next →	
Mine Closure Plan V			
$\begin{bmatrix} \Delta \\ \hline \hline$		Contents Provided by Indian Bureau of Mines (IBM) Ministry of Mines. Go	overnment of India



• Choosea .xlsx file and click on **Save** button.

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	
IBM ≡	Session time: 17:08 ~ ACC Limited Mine Owner	
↑ DASHBOARD	1.2 Land Owner Ship Details	
Ceneral Information LeaseDetails Land Ownership Details Land Ownership Details Existing Lease StatutoryCompliances	▲ Download Sample Excel Upload Excel File Upload Excel File Choose File Land_Ownership_Details (1) xlsx Save Close	
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LeaseDetails V				9	
Land Ownership Details		General In	formation		
Existing Lease V		1.2 Land Owne	r Ship Details		
StatutoryCompliances V	1.2 Land Owner Ship Details				
Geology(Oc) ✓	Lownload Sample Excel	2 Upload & Verify Excel			
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☐ Mining Operations(Oc) ∨					
Sustainable Mining V	← Previous Save & Next Print All	Next ->			
☐ Mine Closure Plan ∨					
Financial Assurance V	Contents Pro	vided by Indian Bureau of Mines (I	BM) Ministry of Mines Governm	ent 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.

Digital India Power To Empower	ाष्ट्रीय सूचना विज्ञान केंद्र lational Informatics Cer	ntre	
👲 Indian Bureau of Mines	MININ Mini	G TENEMENT SYSTEM ing Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡			Session time: 23 : 54 · ACC Limited Mine Owner •
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Geology(Oc)	Download Sample Excel	1 Upload & Verify Excel	Land_Ownership_Details (1).xlsx
☐ Mineral Beneficiation ∨			
Mining Operations(Oc) V			-
Sustainable Mining V	← Previous Update Print Al	Next >	
Mine Closure Plan V			
Financial Assurance V			

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.

indian Bureau of Mines	MIN	ING TENEI Mining Plan App	MENT SYS	STEM (MPAS)		BOVERNMENT OF	AINES F INDIA
IBM ≡					Session time: 2	2 : 56 · ACC Limi Mine Owne	i ted o er o
C DASHBOARD	1.3.1 Existing Lease			5			
General Information	Date of Execution:						
Land Ownership Details V	dd-mm-yyyy						
Existing Lease	Approval of earlier Mini	ng Plan & Its Subseque	nt Review in Chronol	ogical Order			
EarlierMP&Reviews			I	Period	Type Of Approved		
SurrenderdArea	Sr.no Letter Number	Date	From	То	Document	Remark	
TransferofLease	1	dd-mm-yyyy 🛱	dd-mm-yyyy 🛱	dd-mm-yyyy 🛱	select 🗸	×	
StatutoryCompliances V						+Add more	
Geology(Oc)							
$\stackrel{\Delta}{\equiv}$ Mineral Beneficiation \checkmark	L						
☐ Mining Operations(Oc) ∨	← Previous Save & Next	Print All Next ->					
🚊 Sustainable Mining 🗸							

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



• Click on the Save & Nextto save data and get redirected to next section.

indian Bureau of Mines		MINI	NG TENF	MENT SY	STFM				IRY OF MIN	ES DIA
IBM =		EarlierMP8	&Reviews Section Suc	cessfully Saved!			Session time:	23 : 55	ACC Limited	Φ
🕅 DASHBOARD					Continue	PAS)	Filled	l 😑 Referred 🔴 Yet	to be filled	
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Land Ownership Details V Existing Lease				General Ir	nformatior	ı				
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StatutoryCompliances V	Date of Executio	in:								
Geology(Oc)	dd-mm-yyyy									
Mineral Beneficiation V	Approval of ear	lier Mining P	lan & Its Subseque	ent Review in Chronol	ogical Order					
☐ Mining Operations(Oc) ∨	Sr.no Letter	Numbor	Data	From	Period		Type Of Approved	Domark		
Sustainable Mining V	1	d	d-mm-yyyy	dd-mm-yyyy	dd-mm-y	ууу 🗖	select V	Kennark		

1.3.2 Surrendered Area:

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

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	SO GO	NISTRY OF MIN	ES DIA
IBM ≡	Session time	e: 18 : 38	ACC Limited Mine Owner	Ø
C DASHBOARD				
General Information	General Information 1.3 Existing Lease			
Land Ownership Details \checkmark	1.3.2 Partial Surrenderd Area During Stages of Operations in Chronological Order			
Extisting Lease	O Applicable Not Applicable			
StatutoryCompliances ∨				
Mineral Beneficiation V				
☐ Mining Operations(Oc) ∨	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.			
Sustainable Mining V	Designed, Developed and Maintained by National Informatics Centre.			



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

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡		Session time: 17 : 10 - ACC Limited Mine Owner
🟠 DASHBOARD		
General Information	General Information 1.3 Existing Lease	
Land Ownership Details V	1.3.2 Partial Surrenderd Area During Stages of Operations in Chronological Order	
Existing Lease	● Applicable 〇 Not Applicable	
SurrenderdArea	Supplementary Surrender order Supplementary Lease Deed Sr.no Date Date	Final Retained Area over which current Mining Plan is Prepared (ha)
TransferofLease StatutoryCompliances V	1 dd-mm-yyyy	×
Geology(Oc) V		+ Add more
■ Mineral Beneficiation ∨		
■ Mining Operations(Oc) ∨		
Sustainable Mining V	← Previous Save & Next Print All Next →	

- Click on the Save & Nextto 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 ≡	SurrenderdArea Section Successfully Saved!	Session time: 23 : 56 · ACC Limited o
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Existing Lease	General Information	n
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SurrenderdArea	1.3.2 Partial Surrenderd Area During Stages of Operations in Chronological O	rder
TransferofLease		
StatutoryCompliances V	Applicable O Not Applicable	
Geology(Oc)	Sr.no Date Supplementary Surrender order Date Supplementary Letter Number Date	se Deed Final Retained Area over which current Mining Plan is Prepared (ha)
Mineral Beneficiation V	1 dd-mm-yyyy	
Mining Operations(Oc) V		
Sustainable Mining V		- Add more
A Mine Closure Plan		

<u>1.3.3 Transfer of Lease:</u>

• Please refer **1.3.2Surrendered Area**.

Digital India Power To Empower	ाष्ट्रीय सूचना विज्ञान केंद्र lational Informatics Centre	
🙇 Indian Bureau of Mines	MINING TENEMENT SYST Mining Plan Approval System (M	PAS)
IBM ≡		Session time: 22 : 21 - ACC Limited Mine Owner o
DASHBOARD	General Info 1.3 Existing	rmation Lease
LeaseDetails ✓ Land Ownership Details ✓ Existing Lease ∧	1.3.3 Transfer of Lease Area Subsequent to Grant	
EarlierMP&Reviews SurrenderdArea TransferofLease	SL. Transfer of lease Date of execution of Transfer Name of Transferor	Nature of block transferred Granted through auction for captive use other than through auction for non- captive use
StatutoryCompliances V	1 dd-mm-yyyy 🗖	selec select Add more
(출) Mining Operations(Oc) ~ [출] Sustainable Mining ~ [출] Mine Closure Plan ~	←Previous Save & Next Print All Next →	

1.4 Statutory Compliances:

It has 4 sections the Statutory Compliances, Location Boundary Pillar, Owner Details &

Qualified Person.

<u>1.4.1 Statutory Compliances</u>:

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

🍓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		BOVERNMENT OF MINES	
IBM ≡			Session time:	18:55 · ACC Limited Mine Owner •
🟠 DASHBOARD				
General Information		General Information 1.3 Existing Lease		
Land Ownership Details \sim	1.3.4 Statutory Compliances			
Existing Lease V	1.3.4.1: Environment Clearance			
StatutoryCompliances	Applicable:	Letter No:	Date:	
StatutoryCompliances	Yes 🗸	Please Enter letter number	dd-mm-yyyy	
Location Boundary Pilla	Validity:	ROM Mineral in tonnes:		
Qualified Person	dd-mm-yyyy	Please enter ROM Material]	
[≙] Geology(Oc) ∨	1.3.4.2: SPCB Approvals			
Mineral Beneficiation	Letter No:	Approval of:	Date:	
	Please Enter Letter No.	Consent to Operate 🗸	dd-mm-yyyy	•
Image operations(OC) Image operations(OC) Image operations(OC) Image operations(OC) Image operations(OC) Image operations(OC)	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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🎍 Indian Bureau of Mines	MINING T Mining F	ENEMENT SYSTEM Plan Approval System (MPAS)	BINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡			Session time: 15:57 V ACC Limited Mine Owner
Carlo DASHBOARD Carlo General Information LeaseDetails		General Information 1.3 Existing Lease	
Land Ownership Details V Existing Lease V	1.3.4 Statutory Compliances		
StatutoryCompliances StatutoryCompliances	Applicable:	Letter No:	Date:
Location Boundary Pilla OwnerDetails	Validity:	ROM Mineral in tonnes:	
Qualified Person	da-mm-yyyy 1.3.4.2: SPCB Approvals	Please enter ROM Material	
Mineral Beneficiation	Letter No: Please Enter Letter No.	Approval of: Consent to Operate	Date: • dd-mm-yyyy
Sustainable Mining V	Validity:	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 & Nextto save the dataand get redirected to the next section.

<u>1.4.2 Location Boundary Pillars:</u>

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡	_	Session time: 23:08
🟠 DASHBOARD	Mining Plan Approval System (MPAS)	Filled Referred Yet to be filled
General Information		
LeaseDetails V		
Existing Lease 🗸	General Information	
StatutoryCompliances	1.3.5 Mine Location Details	
StatutoryCompliances	1.3.5.1 Location of Boundary Pillars	
Location Boundary Pillars	Download Sample Excel Upload & Verify Excel	
OwnerDetails		
Geology(Oc)		
Mineral Beneficiation V	J. Drawings Owns & Mart Driet All Mart &	
☐ Mining Operations(Oc) ∨		
Sustainable Mining V		

• 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.

📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 56 · ACC Limited Mine Owner •
🟠 DASHBOARD	Mining Plan Approval System (MPAS)	Filled — Referred — Yet to be filled
General Information		9 10 11
Land Ownership Details ~		
Existing Lease V StatutoryCompliances	General Information 1.3 Existing Lease	
StatutoryCompliances	1.3.6 Owner/Nominated Owner Details	
Cocation Boundary Pilk OwnerDetails Qualified Person	PAN of owner / Nominated Owner Address of owner/ Nominated Owner Mobile Number Email	Please attach Minutes of Board Resolution in case of Nominated Owner
Geology(Oc) ✓	ACC Limited Cement House12 022-67973967 harendra.sin	Choose File No file chosen
$\begin{bmatrix} \Delta \\ \equiv \end{bmatrix} \text{ Mineral Beneficiation } \checkmark$		+Add more
☐ Mining Operations(Oc) ∨		

- 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 & Nextto save data and get redirected to next section.

<u>1.4.4 Qualified Person:</u>

• Fill the data as per the requirement.

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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 v ACC Limited o
General Information	General Information 1.3 Existing Lease 1.3.7 Qualified Person details as per M(OAHCEM) CR, 2016	
Existing Lease StatutoryCompliances StatutoryCompliances Location Boundary Pills	Sr No Prefix Name PAN of QP Address Mobile no. Qualif 1 select v	ication Exp in years as prescribed under the rule Email
OwnerDetails Qualified Person ☐ Geology(Oc) ✓	<	,
Image: Mining Operations(Oc) Image: Mining Operations(Oc)	♦ Previous Save & 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 & Nextto save data and get redirected to the next section.



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 offour sections(Topography, Physiography, Regional Geology and Local Geology)

2.1.1Topography:

- Select terrain from drop drown, 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 & Nextto save data and get redirected to next section.

lian Bureau of Mines	MINING TENE Mining Plan A	EMENT SYSTEM pproval System (MPAS)	
M =			Session time: 19 : 50
ASHBOARD		Geology & Exploration (OC) 2A.1 Geology	
Geology(Oc)	2A.1.1 Topography		
pography A	Terrain		
Topography	Undulating	~	
Physiography	RELIEF		
Regional Geology	Highest Level (m) from MSL	Lowest Level (m) from MSL	Average Level (m) from MSL
Local Geology	Please Enter Highest Level(m) from MSL	Please Enter Lowest Level(m) from MSL	Please Enter Lowest Level(m) from MSL
oloration-1 🔶	Drainage Pattern	Order of Stream	Min Dist of Stream from Lease Area(m)
ploration-2 🗸	Trallie	Order 4 and above	Plance Enter Minimum Distance Area of Stream From L
ploration-3 🗸	Trems		Please Enter Minimum Distance Area of Stream Promit
re Body Geometry 🗸 🗸			
timation Method 🗸			
serve Estimation Methed	d Developer - Dove 8 Mont - Ddet All - Mont N		



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 & Nextto save dataand get redirected to next section.

	Mining Plan		(IVIFAS)	SOVERNMENT OF IND
BM ≡			Session time: 2	2:34 × ACC Limited Mine Owner
DASHBOARD	2A.1.2 Physiography		57	
General Information	Details of Physiographic features and Inf	rastructures avaialbe in an	d around the lease/ block area	
Topography A	Description	Location if existing Within the lease/block area	Distance from boundary periphery in kms, if existin outside the lease/block area. (within 5.00Kms)	g Remark if any
Topography	River/Nallah/Reservoir			
Physiography	Public roads (Tar road, cart road)			
Local Geology	Railway track			
Exploration-1	Human settlements			
Exploration-2 V Exploration-3 V	Archaeological monuments/ places of worships/public utilities etc			
Dre Body Geometry 🗸	Wild life sanctuaries/ national parks			
Estimation Method V	Coastal Regulation Zone (CRZ)			
dian Bureau of Mines	MINING TE Mining Pla	NEMENT SY	STEM	
dian Bureau of Mines	MINING TE Mining Play	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MIN GOVERNMENT OF IN 21 : 59 ~ ACC Limite Mine Output
dian Bureau of Mines BM = DASHEDARD	MINING TE Mining Pla	NEMENT SY	STEM (MPAS) Session time:	BOVERNMENT OF IN GOVERNMENT OF IN 21 : 59 - ACC Limite Mane Owner
dian Bureau of Mines BM = DASHEDARD General Information	Grazing land/ burial ground or cremation grazing land/ burial ground	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MI GOVERNMENT OF IN 21 : 59 - ACC Limite Mane Owner
dian Bureau of Mines BM = DASHBOARD General Information Geology(Oc)	grazing land/ burial ground or cremation ground Any other specify	NEMENT SY	STEM (MPAS) Session time:	MINISTRY OF MIN GOVERNMENT OF IN 21 : 59
dian Bureau of Mines	grazing land/ burial ground or cremation grazing land/ burial ground or cremation ground Any other specify Particulars	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MI GOVERNMENT OF IN 21 : 59 ACC Limite Mare Owner
dian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify Particulars Near by village	NEMENT SY	STEM (MPAS) Session time:	MINISTRY OF MIR GOVERNMENT OF IN 21:59 ACC Limite Mine Owner
dian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify Particulars Near by village Nearest Railway stat	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MID GOVERNMENT OF IN 21 : 59 ACC Limite Mane Owner
dian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify Particulars Near by village Nearest Railway stat Nearest Port	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MI GOVERNMENT OF IN 21:59 ACC Limite Mane Owner
dian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify Particulars Near by village Nearest Railway stat Nearest Port Distance of SH/NH from la	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MI GOVERNMENT OF IN 21 : 59 ACC Limite Mare Owner
dian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify Particulars Near by village Nearest Railway stal Nearest Port Distance of SH/NH from la	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MIN GOVERNMENT OF IN 21:59 ACC Limite ACC Limite
Adian Bureau of Mines	grazing land/ burial ground or cremation ground Any other specify <u>Particulars</u> Near by village Nearest Railway stat Nearest Port Distance of SH/NH from le	NEMENT SY n Approval System	STEM (MPAS) Session time:	MINISTRY OF MI GOVERNMENT OF IN 21 : 59 ACC Limite Mare Owner



- 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 dataand get redirected to next section.

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡	-	Session time: 22:43
🟠 DASHBOARD		
General Information V	Geology & Exploration (OC)	
	24.1.2 Perional Coolemy	
Topography	ZA.1.5 Regional Geology	
Topography	Regional Geology	
Physiography Regional Geology	Please Enter Regional Geology	
Exploration-1 V	(Telef 2000) - to see advect	
Exploration-2 V	(Total 2000 characters)	
Exploration-3 V		
Ore Body Geometry V		
Estimation Method V	← Previous Save & Next Print All Next →	
Future Exploration		

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.

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		Session time: 22:00 ~ ACC Limited •
DASHBOARD General Information	Geology & Exploration (OC) 2A.1 Geology	
Geology(Oc)	2A.1.4 Local Geology & Structure	
	2A.1.4.1 ; Local Geological Set-up	
Physiography Regional Geology Local Geology	Please Enter Regional Geology	
Exploration-1	24.1.4.2 · Structure	Maximum 2000 characters.
Exploration-2 V	Place Enter Structure	
Exploration-3 V	Trease Liner Origine	
Ore Body Geometry V		
Estimation Method V		
Reserve Estimation Method	24.1.4.3 : Lithology, Detrographic & Mineralogical Description for Major, Associated & Indicator Mine	Maximum 2000 characters.

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre		
💩 Indian Bureau of Mines	MINING TENEME Mining Plan Approv	NT SYSTEM al System (MPAS)	BUD
IBM ≡			Session time: 21 : 25 · ACC Limited Mine Owner
C DASHBOARD			
General Information V			
Geology(Oc)	2A.1.4.5 : Extent of Weathering/ Alteration		Maximum 2000 characters.
Topography	Please Enter Extent of Weathering/ Alteration		
Topography			
Physiography Decisional Conterns			
			Maximum 2000 characters.
Europeanties 4	2A.1.4.6 : Nature/Form of Mineral	Powdery	~
Exploration-1	Specify If any other		
Exploration-3	2A.1.4.7 : Extent of Mineralization:		
Ore Body Geometry	Please Enter Extent of Mineralization:		
Estimation Method V			
Reserve Estimation Method			
Future Exploration V			

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM ≡	Session time: 20 : 40 ~ ACC Limited Mine Owner •
🕅 DASHBOARD	
General Information ✓ Image: Constraint of the second	Maximum 2000 charactera.
Topography A	
Physiography Regional Geology	Amount of Dip of the Ore Body (degree) Amount of Dip of the Ore Body (degree)
Local Geology	(From) (To)
Exploration-1	Dip Direction of the Ore Body Plunge of Mineral Body (degree) (if any) Direction of Plunge
Exploration-2 V	
Exploration-3 V	
Ore Body Geometry 🗸 🗸	
Estimation Method 🗸	
Reserve Estimation Method Future Exploration	

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 Beneficiationstudies, Density Study and Area Covered.

2.2.1 Exploration:



- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
- Click on Save & Next to save dataand get redirected to next section.

🛓 Indian Bureau of Mines		MINING T Mining F	ENEMENT Selan Approval Sys	SYS tem	STEM (MPAS)		INISTRY OF MINES
IBM =						Session time: 22 : 27	ب ACC Limited ک Mine Owner ک
CASHBOARD			2A	.2 Exp	oloration		
General Information	2A.2.1 Expl	oration					
Geology(Oc) Topography Exploration-1 Exploration	Summary of Th Name of Th Please Ente 2A.2.1.1 : C	of The Previous Exploration the Agency Ir Name of The Agency Geological Mapping	n (for fresh grant) / Durin	ıg Last	Plan Period (for existin	g leases)	
Airborne Survey	SI. No.		Year		Scale	Area Covered (Ha)	
Ground Survey		From	То				
Geochemical Survey	1	dd-mm-yyyy 🛱	dd-mm-yyyy		-select V		×
Pitting							+ Add more
Trenching							
Exploratory Drilling	L						
Exploratory Mining							
Sampling	← Previous	Save & Next Print All	Next ->				

2.2.2 Airborne Geophysical Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
- Click on Save & Next to save dataand get redirected to next section.

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	OF MINES
IBM ≡	Session time: 23:03 v A	CC Limited o
DASHBOARD General Information Geology(Qc)	Geology & Exploration (OC) 2A.2 Exploration	
Topography V Exploration-1	2A.2.1.2 Airborne Geophysical Survey Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.	.ss)
Exploration Airborne Survey	St. No. Type of Survey Spacing (m) Total line (km) Area Covered (Ha) From To From T 1 Select <	0 1:55.55)
Ground Survey Geochemical Survey Pitting		,
Trenching Exploratory Drilling Exploratory Mining		
Sampling		

2.2.3 Ground Geophysical Survey:



- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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	MININ Mir	IG TENEMENT hing Plan Approval S	SYST ystem (MI	EM PAS)			NISTRY OF MI	NES INDIA
IBM ≡					Session	time: 23 : 27	 ACC Limite Mine Owner 	ed O
☆ DASHBOARD ☆ General Information		Geolo	gy & Expl 2A.2 Expl	loration (O oration	C)			
Exploration-1	2A.2.1.3 Ground Geophysica	Il Survey		Latitude (d	d:mm:ss.ss)	Longitude (dd:mm:ss.ss)	
Exploration Airborne Survey	SI. No. Type of Survey Spa	cing (m) Total line (km)	rea Covered (Ha)	From	То	From	То	
Ground Survey Geochemical Survey	ISelect V			dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	da:mm:ss.ss	
Pitting Trenching Exploratory Drilling								•
Exploratory Mining Sampling	← Previous Save & Next	Print Ali Next 🗲						

2.2.4 Geochemical Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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)	
IBM ≡	Session time: 23 : 52 - ACC Limited Mine Owner d	
☆ DASHBOARD	Geology & Exploration (OC) 2A.2 Exploration	
Topography V Exploration	SI. No. Type of Sample No of Samples Analysis Report Area Covered (Ha) 1 select ✓ Choose File No file chosen X	
Airborne Survey Ground Survey Geochemical Survey Pitting	total	
Trenching Exploratory Drilling Exploratory Mining		
Sampling	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 refer1.1.1Initial 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)
IBM =	Session time: 23 : 52 ~ ACC Limited o
🖒 DASHBOARD	2A.2 Exploration
General Information V	2A.2.1.5 Pitting
Geology(Oc)	Number of Pits
Topography 🗸	Please Enter Number of Pits
Exploration-1	
Airborne Survey	St. Year Pit ID Length of Pit (m) Width of Pit (m) Depth (from) Depth(to)
Ground Survey	1 dd-mm-y
Geochemical Survey Pitting	
Trenching	
Exploratory Drilling	
Exploratory Mining Sampling	← Previous Save & Next Print All Next →
👗 . u	MINING TENEMENT SYSTEM
Indian Bureau of Mines	Mining Plan Approval System (MPAS)
IBM ≡	Session time: 23 : 28 - ACC Limited o
C DASHBOARD	2A.2 Exploration
General Information ∨	2A.2.1.5 Pitting
Geology(Oc)	Number of Dite
Topography 🗸	Please Enter Number of Pits
Exploration-1	
Exploration	Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss)
Airborne Survey	ing mtr exposed radical Av Grade(in %) From To From To
Ground Survey	dd:mm:ss.ss dd:mm:ss.ss dd:mm:ss.ss dd:mm:ss.ss 🛛
Geochemical Survey	+ Add more
Pitting	
Trenching	· /
Exploratory Mining	
Sampling	← Previous Save & Next Print All Next →

2.2.6 Trenching:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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 TE Mining Pla	NEMENT SYSTE n Approval System (MP	EM PAS)		Y OF MINES
IBM ≡				Session time: 23 : 21 v	ACC Limited Mine Owner
		2A.2 Explora	tion		
General Information	2A.2.1.6 Trenching				
Geology(Oc)	Number of Trenches				
Topography V	Please Enter Number of Trenches				
Exploration-1	2A.2.1.6.1 : SPACING				
Exploration	Min (m)	Max (m)	Avg (m)		
Airborne Survey	Please Enter Min(m)	Please Enter Max(m)	Please Enter A	avg(m)	J
Ground Survey		Latitu	ude (dd:mm:ss.ss) Lon	gitude (dd:mm:ss.ss)	
Geochemical Survey Pitting	Litho units Name of Running mtr exposed radic	the al Av Grade From	To Fro	m To	
Trenching		dd:mm:ss.t	ss dd:mm:ss.ss dd:mm:s	is.ss dd:mm:ss.ss ×	
Exploratory Drilling				+ Add m	
Exploratory Mining	4				
Chemical Analysis					
Petrology/Mineralogica					
Beneficiation Studies	evious Save & Next Print All Next 🔶				

2.2.7 Exploratory Drilling:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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.

Digital India Power To Empower	🗲 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
🧕 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡	Session	time: 23 : 51 ~ ACC Limited Mine Owner •
DASHBOARD	Geology & Exploration (OC) 2A.2 Exploration	
Geology(Oc)	2A 2.1.7 Exploratory Drilling	
Topography V Exploration.1 N Exploration Airborne Survey Geochemical Survey Pitting Tranching	Core/Non-core Drilling Year Core holes SI.No From To Exploration agency Number of boreholes drilled Numer Numer 1 dd-mm-y dd-mm-y	Non-core (RC/DTH) nber of elcoles Total mtrs drille ,
Exploratory Mining Sampling		MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =	Se	ssion time: 23 : 00 · ACC Limited Mine Owner
CashBOARD	Geology & Exploration (OC) 2A.2 Exploration	
Topography Exploration-1 Exploration Airkone Survey Ground Survey Geochemical Survey Pitting Trenshing Exploratory Dritting	ZA 2.1.7 Exploratory Drilling Core/Non-core Drilling Core holes Non-core (RC/DTH) Grand total At oration Number of boreholes rotal metr drilled Total metrs drilled Total mitrs c	tach log sheet of each borehole in vieccel format Choose File

2.2.8 Exploratory Mining:

• Enter data as per requirement.

+ Previous

• For Add More Row please refer1.1.1Initial Lease Details Section

Print All Next ->

- 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.

	📕 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	IES IDIA
IBM ≡	Session time: 23 : 51 - ACC Limiter Mine Owner	Φ
☆ DASHBOARD ☆ General Information ☆ Geology(Oc)	Geology & Exploration (OC) 2A.2 Exploration	
Topography V Exploration-1 A	SL Pit/Adit ID Length in Mtr Width in Mtr Depth in mtrs Volume (m ⁿ)	
Airborne Survey Ground Survey Geochemical Survey	1 Add more	
Pitting Trenching Exploratory Drilling		1
Exploratory Mining Sampling Chaming	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 refer1.1.1Initial 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 TENEMEN Mining Plan Approval	IT SYSTEM System (MPAS)		VERNMENT OF INDIA
IBM =			Session time: 23 : 56	✓ ACC Limited Mine Owner
🟠 DASHBOARD				
Image: General Information ✓ Image: General Information ✓ Image: General Information ✓	Geo	logy & Exploration (OC 2A.2 Exploration)	
Topography 🗸	2A.2.1.9 Sampling			
Exploration-1		Latitude (dd:mm:ss.ss)	Longitude (dd:mm:ss.ss)	
Exploration Airborne Survey	SI.No Type of sample Collected Analyzed	From To	From To	Remark if any
Ground Survey Geochemical Survey	1select •	dd:mm:ss.ss dd:mm:ss.ss	dd:mm:ss.ss dd:mm:ss.ss	
Pitting Trenching	4			•
Exploratory Drilling Exploratory Mining				
Sampling	← Previous Save & Next Print All Next →			

2.2.10 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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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Ground Survey Geochemical Survey Pitting	* Chemical analysis of core /non core samples may be Assay file and RQD File.	uploaded in CSV file which shall normally include	Add more Five files namely collar file, survey file and Geology log file,	
Trenching Exploratory Drilling Exploratory Mining		_		
Sampling Chemical Analysis	Previous Save & Next Print All Next -			

2.2.11Petrology & Mineralogical Studies:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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 •			
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Image: General Information ✓ Image: Geology(Oc) ∧	Geology & Exploration (OC) 2A.2 Exploration				
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Airborne Survey	1select V	ose File No file chosen			
Ground Survey		+ Add more			
Geochemical Survey					
Pitting					
Trenching					
Exploratory Drilling	← Previous Save & Next Print All Next →				
Exploratory Mining					
Chemical Analysis					

2.2.12 Beneficiation Studies:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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.

Digital India Power to Empower	🚅 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre			
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Pitting				
Trenching				
Exploratory Drilling	← Previous Save & Next Print All Next -			
Exploratory Mining				
Sampling Chemical Analysis	Contents Provide	ed by Indian Bureau of Mines (IBM), Ministry of Mi	nes, 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 refer1.1.1Initial 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)	S A
IBM =	Session time: 23 : 56 < ACC Limited Mine Owner	Φ
DASHBOARD	2A.2.1.13 Bulk Density Study as per M(EMC) Rules, 2016 and SOP of CGPB	
General Information	Method adopted for calculating bulk density of ore and waste Please Enter Method adopted for calculating bulk density of ore and waste	
Exploration Airborne Survey	(Total 500 characters)	
Ground Survey Geochemical Survey	Si. Nature of Ore/OB Mineral Number of samples Bulk Density Established (t/m ²)	
Pitting		
Exploratory Drilling		
Exploratory Mining Sampling		
Chemical Analysis		

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.

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IBM ≡			Sessio	on time: 23 : 51 ~ ACC Limited Mine Owner
C DASHBOARD	2A.2.1.14 Area Covered under Explo	pration		
General Information	Level of exploration	Area ir	n Ha	Total area in Ha
		Forest	Non-Forest	
Topography V Exploration-1	G-1			
Exploration	G-2			
Airborne Survey	G-3			
Geochemical Survey	G-4			
Pitting	Area proved as Non-mineralized			
Exploratory Drilling	Area to be explored			
Exploratory Mining	Total			
Sampling Chemical Analysis				

2.3 Exploration-2:

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

2.3.1Previous Exploration:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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		MININ Min	G TENEME	NT SYS	STEM (MPAS)		VISTRY OF MINES
IBM ≡						Session time: 22 : 52	✓ ACC Limited Mine Owner
🟠 DASHBOARD	2A.2.2 Sun	nmary of The Previo	ous Exploration (Before	Last Plan Pe	riod)		
General Information	Name of T	he Agency]			
Topography V	2A.2.2.1 :	Geological Mapping]			
Exploration-2	SI. No.	From	Year	ō	Scale	Area Covered (Ha)	
Previous Exploration	1	dd-mm-yyyy	dd-mm-yyy		select 🗸		
Ground Survey							+ Add more
Geochemical Survey Pitting							
Exploration-3 V Ore Body Geometry V	← Previous	Save & Next P	rint All Next 🔶				
Estimation Method							

2.3.2Airborne Survey:

• Enter data as per requirement.



- For Add More Row please refer1.1.1 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)	BOVERNMENT OF INDIA
IBM ≡		Session time: 23:42 ~ ACC Limited •
🟠 DASHBOARD		
General Information ~	Geology & Exploration (OC) 2A.2 Exploration	
Topography V	2A.2.2.2 Airborne Geophysical Survey	
Exploration-1 V	Latitude (dd:mm	n:ss.ss) onoitude (dd:mm:ss.ss)
Exploration-2	SL No. Type of Survey Spacing (m) Total line (km) Area Covered (Ha) From	To From To
Airborne Survey	1select v	
Ground Survey Geochemical Survey		
Pitting Exploration-3 V		
Ore Body Geometry Estimation Method V	← Previous Save & Noxt Print All Next →	

2.3.3 Ground Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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		MIN	NING TE Mining PI	ENEMEN an Approva	NT SYST I System (M	EM IPAS)		SC SC	NISTRY OF M	INES INDIA
IBM ≡							Session	time: 23 : 55	 ACC Limit Mine Owner 	ted Φ
🟠 DASHBOARD										
General Information V				Ge	ology & Exp	loration (O	C)			
Geology(Oc)	24.2.2				ZA.2 Expl	loration				
Topography 🗸	2A.Z.Z.	3 Ground Geopr	iysical Survey							
Exploration-1 V						Latitude (de	d:mm:ss.ss)	Longitude (dd:mm:ss.ss)	
Exploration-2	SI. No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	From	То	From		
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Ground Survey										
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Exploration-3 V										
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Estimation Method	€ Previ	Save & Next	E-mint Avi	INGAL -						

2.3.4Geochemical Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section.
- If section is already saved then Update will show instead of Save & Next button.



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IBM	=					Session time:	23 : 56	 ACC Limited Mine Owner 	Q
🟠 DASHBOARD	Â								
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Topography	~	2A.2.2.4 Geoch							
Exploration-1	~	SI, No.	Type of Sample			No of Samples			
Exploration-2	<u>^</u>	1	select						
Previous Explo	ation	· · ·	achact						
Airborne Surve	y							+ Add more	
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Exploration-3	<u> </u>		كتسليا كسيني كسينيس						
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Reserve Estimation	lethed.		Contents Provided b	/ moran boreau or Min	ies (row), winistry of wines	, Government of India.			

2.3.5 Pitting:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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Previous Exploration	
Ground Survey	
Geochemical Survey	
Pitting	4
Exploration-3 🗸	
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Orio Body Goometry V Estimation Method V Reserve Estimation Method	n Savye & Nood Primi A3 Read 🔶		
Future Exploration	Contents Provided by Indian Bureau of Mines (BM), Ministry of Mines, G	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 refer1.1.1 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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Topography V	Number of Tre	enches							
Exploration-2	Please Enter N	lumber of Trenches							
Exploration-3	SPACING								
Trenching	Min (m)		Max (m)			Avg (m)			
Exploratory Drilling	Please Enter N	fin(m)	Please Enter Max(m)			Please Enter A	wg(m)		
Exploratory Mining									
Sampling	Area Cover	ed Under Trenching							
Chemical Analysis	Co-ordinate	S		Longhudo (d	dimminaci o o`				
Petrology & Mineralogie	Lattitude (dd:mr	n:ss:.ss)		Longitude (d	d:mm:ss:.ss)				
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2.4.2 Exploratory Drilling (Core/Non Core):


- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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General Information V	2A.2.2.7	Exploratory Dri	lling(Core/non C	Core)					
Geology(Oc)	2A.2.2.7	.1 Core/Non-cor	e Drilling						
Topography V					Core	holes	Non-core	(RC/DTH)	Grand
Exploration-1 V Exploration-2 V	SI.No	Ye	ar	Exploration agency	Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	Total boreholes
Exploration-3		From	То						
Trenching	1	dd-mm-y 🗖	dd-mm-y						
Exploratory Drilling									
Exploratory Mining	4						_		<u>ه</u>
Sampling									,
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Topography V	2A.2.2.7.1 Core/Non-co	re Drilling								
Exploration-1 V	C	ore holes	Non-core	(RC/DTH)	Gran	d total				
Exploration-2 V Exploration-3 ^	Number of oration boreholes ency drilled	Total mtrs	Number of boreholes drilled	Total mtrs	Total boreholes	Total mtrs	Attach log sheet of each borehole in csv/excel format			
Trenching Exploratory Drilling							Choose File	×		
Exploratory Mining Sampling								+ Add more		
Chemical Analysis	4							Þ		
Petrology & Mineralogi										
Bulk Density Area Covered	Save & Next Print A	JI Next								

2.4.3 Exploratory Mining:

• Enter data as per requirement.



- For Add More Row please refer1.1.1 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 SYS Mining Plan Approval System	STEM (MPAS)	BOVERNMENT OF MINES
IBM ≡	-	Session time	: 23 : 56 ~ ACC Limited Mine Owner •
🟠 DASHBOARD			
General Information V	Geology & Ex 2A.2 Ex	ploration (OC)	
Topography V	2A.2.2.8 Exploratory Mining		
Exploration-1 V	SL No. Pit/Adit ID	Volume (m²)	
Exploration-2 V Exploration-3 A	1		
Trenching			+ Add more
Exploratory Drilling			
Sampling Chemical Analysis	♦ Previous Save & Next Print All Next →		
Petrology & Mineralogic Beneficiation Studies Bulk Density	Contents Provided by Indian Bureau of Mines	a (IBM), Ministry of Mines, Government of India.	

2.4.4 Sampling:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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Exploratory Drilling Exploratory Mining					+ Add more	
Sampling Chemical Analysis						
Petrology & Mineralogic Beneficiation Studies						

2.4.5 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	COVERNMENT OF MINES
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Topography 🗸	2A.2.2.10 Chemical Analysis	
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Trenching Exploratory Drilling		+ Add more
Exploratory Mining Sampling		
Chemical Analysis		
Petrology & Mineralogie Beneficiation Studies		
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2.4.6 Petrology & Mineralogical Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	ISTRY OF MINES ERNMENT OF INDIA
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Topography 🗸	2A.2.2.11 Petrology & Mineralogical Studies	
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Exploratory Drilling		+ Add more
Exploratory Mining		
Sampling		
Chemical Analysis	← Previous Save & Next Print All Next →	
Petrology & Mineralogical		

2.4.7Beneficiation Test:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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Sampling						
Chemical Analysis	Previous	Save & Next Print All	lext 🎝			
Petrology & Mineralogic						
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2.4.8Bulk Density:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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Exploration-3	2A.2.2.13 Bul	lk Density		ioration		
Trenching Exploratory Drilling	SL No.	Rock Types	Mineral	Number of samples	Bulk Density Established (t/m²)	
Exploratory Mining Sampling	1					
Chemical Analysis Petrology & Mineralogie					+ Add more	
Beneficiation Studies						
Bulk Density Area Covered	← Previous	Save & Next Print All N	lext ->			
Ore Body Geometry 🗸						

2.4.9Area Covered Exploration:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 Mining	TENEMENT SYS Plan Approval System (I	TEM MPAS)	BINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡			Sessio	n time: 23 : 50 ~ ACC Limited Mine Owner •
Exploration-3				
Trenching Exploratory Drilling		Geology & Ex 2A.2 Ex	ploration (OC)	
Exploratory Mining	2A.2.2.14 Area Covered Under Exp	loration	•	
Sampling Chemical Analysis	Level of exploration	Area	in Ha	
Petrology & Mineralogie Beneficiation Studies	G-1(Ha)	Forest	Non-forest	
Bulk Density	G-2(Ha)			
Ore Body Geometry V	G-3(Ha)			
Estimation Method	G-4(Ha)			
Future Exploration V	Area proved as Non-mineralized			

💑 Indian Bureau of Mines	MINING	TENEMENT SY g Plan Approval System	STEM 1 (MPAS)			GOVERNMENT	F MINES OF INDIA
IBM ≡				Ses	sion time: 23 :	16 × ACC Mine	Limited Owner
Exploration-3	Total						
Trenching		Area converted to G1 from G2, % increase in G-	Remaining Area	Remaining Area	Remaining Area	Remaining Area	Remain
Exploratory Drilling	From To	G3 & G4 1 Area	% in G2	% in G3	% in G4	in G2	in
Exploratory Mining							
Sampling	dd-mm-y□ dd-mm-y□						
Chemical Analysis							
Petrology & Mineralogie							
Beneficiation Studies	4						•
Bulk Density	Potentially Mineralised area (Ha)]					
Area Covered							
Ore Body Geometry 🗸 🗸							
Estimation Method 🗸							
Reserve Estimation Method	Previous Save & Next Print	All Next ->					
Future Exploration V							

2.5 Ore BodyGeometry&Grade:

2.5.1Ore Body Geometry& Grade:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 & Exploration (OC) 2A.2 Exploration	
Topography V	2A.2.3 Ore Body Geometry & Grade	
Exploration-1 Exploration-2 Exploration-3 Ore Body Geometry Ore Body Geometry	Chemical paramet SLNo Name of the ore band General Strike / Trend Dip Of Mineral Body Average Strike (m) Average Width Average Depth (m) Name of the radical Min Grade (%) 1 select select	
Estimation wethod Reserve Estimation Method Future Exploration	< ◆ Previous Save & Next Print All Next →	•
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IBM ≡	Session time: 23:51	d O
🟠 DASHBOARD		
Image: Constraint of the second se	Geology & Exploration (OC) 2A 2 Exploration	
Topography 🗸	2A.2.3 Ore Body Geometry & Grade	
Exploration-1	Chemical parameters	
Exploration-2 V	/ Mineral Average Strike Average Width Average Depth Name of the radical Min Grade (%) Max Grade (%) Avg Grade (%)	
Ore Body Geometry		
Ore Body Geometry		
Estimation Method		
Future Exploration	,	
Mineral Beneficiation 🗸		
Mining Operations(Oc) V	Previous Save & Next Print All Next	
Sustainable Mining V		

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 refer1.1.1 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: 22 : 24	 ACC Limited Mine Owner
C DASHBOARD	<u>^</u>	2A.2 Exploration		
General Information		2A.2.4 Reserve / Resource Estimation Method		
Geology(Oc)	~	2A.2.4.1 Methodology		
Topography		Resource / Reserve Estimation Method		
Exploration-1	~	Plan Area Method		~
Exploration-2	\sim	Methodology		
Exploration-3	\sim	Please Enter Methodology		
Ore Body Geometry	• • • • • • • • • • • • • • • • • • •			
Estimation Method	\sim			
Methodology		(Pr. (c.). 0000		
Resource Calcu	utation	(rotal 2000 charactera)		
Reserve Estimation I	Method			
Future Exploration	~			
[≙] Mineral Beneficiatio	m 🗸			

2.6.2 ResourceCalculation:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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	≡ See	ssion time: 23 : 33 ~ ACC Limited Mine Owner o		
DASHBOARD General Information	Geology & Exploration (OC) 2A.2.4 Reserve / Resource Estimation Method			
Geology(Oc)	2A.2.4.2 Resource Calculation St. Scritonal Cross Scritonal Area/Block area (sentr) Influence (m) Depth in mtr Volume (m")	nsity Resource Level of Quantity (t) Exploration		
Exploration-3 Ore Body Geometry Estimation Method	1 Total :	select		
Methodology Resource Calculation Reserve Estimation Method		•		
Future Exploration ~	⊕-Previous Save & Next Print All Next			

Digital India	🗲 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
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IBM ≡	Session	n time: 23 : 33 · ACC Limited o
Central Information General Information General Normation General Normation	Geology & Exploration (OC) 2A.2.4 Reserve / Resource Estimation Method 2A.2.4.2 Resource Calculation	
Topography V Exploration-1 V Exploration-2 V Exploration-3 V One Body Geometry V Extension Method 0	Bulk Density (t/m?) Resource Quantity (t) Level of Exploration Type of Land Name of the radical Grade (%) Method resc estin	used for purce xation
Resource Calculation Resource Calculation Ruserve Estimation Method Future Estimation Method	views Save & Next Print All Next →	◆Add more >
Imining Operations(Oc) Image: Sustainable Mining	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

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IBM	=		Session time: 23 : 16	✓ ACC Limited Mine Owner
C DASHBOARD	*			-
General Informati	ion ~	Geology & Exploration (OC) 2A.2 Exploration		
Topography	~	2A.2.4 Reserve / Resource Estimation Method		
Exploration-1		2A.2.4.3 :Mineral Resource Estimate for Conversion to Mineral Reserve		
Exploration-3		Please Enter Mineral Resource Estimate for Conversion to Mineral Reserve		
Estimation Method				
Reserve Estimation	n Methød	(Total 2000 characters)		
Reserve Estin Blocked Reso Calulation Of Calulation Of	nation Method purces Reserves Reserves	2A.2.4.4 : Threshold value & Cut off Parameters Please Enter Threshold value & Cut off Parameter		

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📅 DASHBOARD	(Total 2000 characters)	
General Information ∨	2A.2.4.4 : Threshold value & Cut off Parameters	
Geology(Oc) ^ Topography ~ Exploration-1 ~	Please Enter Threshold value & Cut off Parameter	
Exploration-2 ~	(Total 2000 characters)	A
Exploration-3	2A.2.4.5 : Mining Factors or Assumptions	
Ore Body Geometry Estimation Method Reserve Estimation Method Description Commuting Method	Please Enter Mining Factors or Assumptions	
	(Total 2000 characters)	
Blocked Resources	2A.2.4.6 : Metallurgical Factors or Assumptions	
Calulation Of Reserves	Please Enter Metallurgical Factors or Assumptions	

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IBM ≡		Session time: 21 : 31	✓ ACC Limited Mine Owner
	(Total 2000 characters)		
	2A.2.4.9 : Other Modifying Factors		
General Information V	Please Enter Other Modifying Factors		
Geology(Oc)			
Topography 🗸			
Exploration-1 V	(Total 2000 observators)		6
Exploration-2 V	(Total 2000 characters)		
Exploration-3 V	2A.2.4.10 : Classification		
Ore Body Geometry 🗸 🗸	Please Enter Classification		
Estimation Method 🗸			
Reserve Estimation Methød			
Reserve Estimation Method	(Total 2000 characters)		
Blocked Resources			
Calulation Of Reserves			
Calulation Of Reserves			
Calulation Of Reserves	← Previous Save & Next Print All Next →		

2.7.2 Calculation of Resource Block:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	
General Information V	2A.2.4 Reserve / Resource Estimation Method	
Geology(Oc)	ZAZ.4.11 Calculation of biocked resources	
Topography V Exploration-1 V Exploration-2 V Exploration-3 V Ore Body Geometry V	SL Reserves blocked due to Cross section/Block Sectional (sq mtr) Influence (m) Depth in mtr Volume (m) 1 select-	*) Bulk Density Resource (Vm*) Quantity (t)
Estimation Method		
Reserve Estimation Met	<	•
Catulation Of Reserves	Providus Silve & Next Print All Next MINING TENEMENT SYSTEM	Similar Ministry of Mines
Indian Bureau of Mines	Mining Plan Approval System (MPAS)	SOVERNMENT OF INDIA
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Construction Cons	Geology & Exploration (OC) 2A.2.4 Reserve / Resource Estimation Method 2A.2.4.11 Calculation of blocked resources	
Topography V Exploration-2 V Exploration-2 V Exploration-3 V Ore Body Geometry V Estimation Method V Reserve Estimation Method	Bulk Density (tm²) Resource Quantity (t) UNFC code Type of Land Name of the radical Grade (%)	Method used for resource estimation X
Reserve Estimation Me Blocked Resources	4	•
Calutation Of Reserves Calutation Of Reserves Calutation Of Reserves Future Exploration	Previcous Save & Next Print All Next Next Contents Provided by Indian Bureau of Minas //BBA' Ministry of Minas //BBA'	
	Contents Provided by Indian Eureau of Mines (IEM), Ministry of Mines, Government of India.	

2.7.3 Calculation of Reserve 1:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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BM =							Session	time: 23 : 44	 ACC Limited Mine Owner
Topography V Exploration-1 V				Geo 2A.2.4 Re:	blogy & Exp serve / Resour	loration (OC	C) Method		
Exploration-2 V	2A.2.4.	12 Calculation of	of Reserves -I						
Ore Body Geometry 🗸	SI.	Cross section/Blocks	Sectional Area/Block area (sq mtr)	Influence (m)	Depth in mtr	Volume (m²)	Bulk Density (t/m²)	Reserves Quantity (t)	UNFC code
Estimation Method 🗸	NO.								select
Estimation Method V Reserve Estimation Methød	NO.								001001
Estimation Method Reserve Estimation Method Reserve Estimation Met Blocked Resources Calutation Of Reserves	No. 1				Total :				Select

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Topography V Exploration-1 V Exploration-2 V Exploration-3 V	me (m ²) Bulk Density Reserves Quantity (t) UNFC code Type of Land Name of the Grade (%) estimation			
Ore Body Geometry V Estimation Method V Reserve Estimation Method				
Reserve Estimation Me Blocked Resources Calulation Of Reserves Calulation Of Reserves		×		
Calutation Of Reserves Future Exploration V	ions Save & Next Print All Next ➔ 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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🟠 DASHBOARD			-					
General Information ∨				Geology &	Exploration	(OC)		
Geology(Oc)			2A.	2.4 Reserve / R	esource Estima	tion Metho	d	
Topography V	2A.2.4.13 Calculatio	n of Re	serves -II					
Exploration-1 V	Mineral			Reserves/ Resource	ces estimated as on	10	VIT of estimation	
Exploration-2 V	LIMESTONE			dd-mm-yyyy			tonnes	~
Exploration-3 V								
Ore Body Geometry	A. Mineral Reserve	Code		Quantity		_	Grade	Remark
Reserve Estimation Method		0000	Forest	Non-Forest	Total	Forest	Non-Forest	
Reserve Estimation Met								
Blocked Resources	1. Proved Mineral	111						
Calulation Of Reserves	Reserve (A)					L		
Calulation Of Reserves_1								
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CASHBOARD General Information Celogy(Oc)	3. Probable Mineral Reserve (Å) 12.	2						ß	
Topography V Exploration-1 V Exploration-2 V	B. Remaining Resources Classification	Code	Forest	Quantity Non-Forest	Total	Gra	ade Non-Forest	Remark	
Exploration-3 ~ Ore Body Geometry ~ Estimation Method ~ Reserve Estimation Method	1. Feasibility Mineral Resource (B)	211							
Reserve Estimation Mer Biocked Resources Calulation Of Reserves Calulation Of Reserves	2. Prefeasibility Mineral Resource (B)	221						ß	

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IBM ≡						Session time	23 : 04	✓ ACC Limited Mine Owner ♥
DASHBOARD	5. Indicated Mineral Resource (B)	332						
Image: Control of the second secon	6. Inferred Mineral Resource (B)	333						
Exploration-3 V Ore Body Geometry V Estimation Method V Reserve Estimation Method	7. Reconnaissance Mineral Resource (B)	334						
Reserve Estimation Met Blocked Resources Catulation Of Reserves	Total Mineral Resources (A+B)							
Calulation Of Reserves_1 Calulation Of Reserves	← Previous Save & Next	Print All No	ext 🔿					



2.7.5 Calculation of Reserve III:

• Click on + option to open form

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Topography V Exploration-1 V	Geology & Exploration (OC)	
Exploration-2 ~	2A.2.4 Reserve / Resource Estimation Method	
Exploration-3 V Ore Body Geometry V	2A.2.4.13 Calculation of Reserves -III	
Estimation Method V Reserve Estimation Method	ASSOCIATED MINERAL (CLAY (OTHERS))	+ 介
Blocked Resources Calulation Of Reserves Calulation Of Reserves		U
Catulation Of Reserves.2	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BINISTRY OF MINES GOVERNMENT OF INDIA
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🟠 DASHBOARD	2A 2.4.13 Calculation of Reserves -III	
General Information V		
☐ Geology(Oc) ∧	ASSOCIATED MINERAL (CLAY (OTHERS))	-
Topography V	Minard Description of the second statements of	
Exploration-1	CLAY (OTHERS) dd-mm-yyyy C	~
Exploration-3	A. Mineral Reserve	
Ore Body Geometry V	Classification Code Quantity Grade	Remark
Estimation Method	Forest Non-Forest Total Forest Non-F	orest
Reserve Estimation Met		
Blocked Resources	Reserve (A)	
Calulation Of Reserves		
Calulation Of Reserves 2		
💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡	Session tim	e: 22 : 11 ~ ACC Limited Mine Owner එ
🟠 DASHBOARD	B. Remaining Resources	
General Information V	Classification Code Quantity Grade	Remark
Geology(Oc)	Forest Non-Forest Total Forest Non-	Forest
Topography V Exploration-1 V Exploration-2 V	1. Feasibility Mineral Resource (B) 211	
Exploration-3		

3. Prefeasibility Mineral Resource (B)

2. Prefeasibility Mineral Resource (B) 221

222

ndian Bureau of Mines	MIN	ING Minin	i IENI g Plan A	=MEN pproval S	SYSTE system (MP/	:M AS)			STRY OF MINE RNMENT OF IND
BM ≡							Session time:	21 : 52	 ACC Limited Mine Owner
DASHBOARD General Information	6. Inferred Mineral Resource (B)	333							
Geology(Oc)									
Exploration-1 V Exploration-2 V	7. Reconnaissance Mineral Resource (B)	334							
Exploration -3 V Ore Body Geometry V	Total Mineral Resources (A+B)								
Estimation Method V Reserve Estimation Method									

- 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 of8 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 refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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🟠 DASHBOARD							
General Information V			Geology & Explor	ration (OC)			
Geology(Oc)			2A.2.5 Future Explora	ation Proposal			
Topography 🗸	2A.2.5.1 Geological Mappi	ing					
Exploration-1	SI. No.	Year	Scale	Area Cove	ered (Ha)		
Exploration 2	1select	~	select V			×	
Ore Body Geometry						+ Add more	
Estimation Method							
Reserve Estimation Methed							
Future Exploration							
Geological Mapping	Previous Save & Next	Print All Next ->					
Ground Geophysical							
Pitting		Contents Provided	oy Indian Bureau of Mines (IBM)	, Ministry of Mines, Government o	f India.		

2.8.2 Ground Geophysical Survey:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 : 51	✓ ACC Limited Mine Owner
DASHBOARD			
General Information V	Geology & Exploration (O	C)	
Geology(Oc)	2A.2.5 Future Exploration Propo	sal	
Topography 🗸 🗸	2A.2.5.2 Ground Geophysical Survey		
Exploration-1 🗸		l atitude (dd:mm:ss.ss)	Longitude (dd:
Exploration-2 V	SI. Area Covered		
Exploration-3 V	No. Year Type of Survey Spacing (m) Total line (km) (Ha)	From To	From
Ore Body Geometry 🗸 🗸	1select Vselect V	dd:mm:ss.ss dd:mm:ss.ss	dd:mm:ss.ss
Estimation Method 🗸			
Reserve Estimation Method			
Future Exploration	4		•
Geological Mapping			
Geological Mapping Ground Geophysical			

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IBM ≡			Sessi	on time: 23 : 47	✓ ACC Limited Mine Owner ♥
DASHBOARD General Information General Information Coperage (0c) Topography	Geology & 2A.2.5 Future 2A.2.5.2 Ground Geophysical Survey	Exploration (OC) Exploration Proposal			
Exploration-1 Exploration-2 Exploration-2 Ore Body Geometry Estimation Method Future Exploration Geological Mapping Ground Geophysical Pitting Transhinn Ceological Mapping Ceological Mapping Ceol	f Survey Spacing (m) Total line (km) Area Covered (Ha) eCt-	Latitude (dd:mm:ss.ss) From To m:ss.ss dd:mm:ss.ss	Longitude (dd:mm: From dd:mm:ss.ss dd:m	s.ss) To m.ss.ss X +Add more	_
Trenching Exploratory Drilling Exploratory Mining	Contents Provided by Indian Bureau of M	lines (IBM), Ministry of Mines, Gr	overnment of India.		

2.8.3 Pitting:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)
BM =	Session time: 23 : 52 ACC Limited Mine Owner
Exploration-3	Geology & Exploration (OC) 2A.2.5 Future Exploration Proposal
Ore Body Geometry V	2A 2.5.3 Pitting
Reserve Estimation Method	Number of Pits
Geological Mapping	Prease errer Number or Pris Latitude (dd:mm:ss.ss)
Ground Geophysical Pitting	SL Year Land type Pit ID Length of Pit (m) Width of Pit (m) Depth of Pit (m) From To
Trenching Exploration: Drilling	1select v ddmmss.ss ddmmss.ss
Exploratory Mining	
Sampling	

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IBM ≡	Session time: 23 : 54 - ACC Limit Mane Owner
C DA SHBOARD	Geology & Exploration (OC) 2A 2.5 Future Exploration Proposal
Topography V Exploration-1 V	2A 2.5.3 Pitting Number of Pits
Exploration-2 V Exploration-3 V	Please Enter Number of Pits
Ore Body Geometry V Estimation Method V	It ID Length of Pit (m) Width of Pit (m) Depth of Pit (m) From To From To
Reserve Estimation Method Future Exploration	dd.mm.ss.ss dd.mm.ss.ss dd.mm.ss.ss dd.mm.ss.ss dd.mm.ss.ss
Geological Mapping Ground Geophysical	t >
Trenching Exploratory Drilling	Previous Save & Nost Print All Nest +

2.8.4 Trenching:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 : 30	 ACC Limited Mine Owner
🟠 DASHBOARD	2A.2.5.4 Trenching			
	Number of Trenches			
Topography V Exploration-1 V	2A.2.5.4.1 : SPACING			
Exploration-2	Min (m) Max (m) Please Enter Min(m) Please Enter Max(m)	Avg (m)	ter Ava(m)	
Ore Body Geometry V	2A.2.5.4.2 : Area Covered Under Trenching			
Estimation Method V			Latitude (de	d:mm:ss.ss)
Future Exploration	SI. Length of Width of Trench No. year Land type Trench ID Trench (m) (m)	Depth of Trench (m)	From	То
Geological Mapping	1select v		dd:mm:ss.ss	dd:mm:ss.ss
Ground Geophysical Pitting				

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IBM ≡			Session time: 23:49	✓ ACC Limited Mine Owner
🟠 DASHBOARD	2A.2.5.4 Trenching			
General Information V	Number of Trenches			
Geology(Oc)	Please Enter Number of Trenches			
Topography 🗸	24.2.5.4.1 · SPACING			
Exploration-1 🗸	Min (m) Max ((m)	Avg (m)	
Exploration-2 V	Plaze Enter Min(m)	so Entor May(m)	Please Enter Aug (m)	
Exploration-3 V	riese citer with(tr)	se chief max(iii)	Please Effici Avg(iii)	
Ore Body Geometry	2A.2.5.4.2 : Area Covered Under Trenching			
Estimation Method		Latitude (dd:mm:ss.ss)	Longitude (dd:mm:ss.ss)	
	Length of Width of Trench Depth of nch ID Trench (m) (m) (m	Trench) From To	From To	
Geological Mapping		dd:mm:ss.ss dd:mm:ss.ss	dd:mm:ss.ss dd:mm:ss.ss ×	
Ground Geophysical			+ Add more	
Pitting				
Trenching	4			•
Exploratory Drilling				_
Exploratory Mining	← Previous Save & Next Print All Next →			

2.8.5 Exploratory Drilling (Core/Non Core):

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 tim	e: 23 : 54	 ACC Limited Mine Owner 	
DASHBOARD			Geol		ration (OC	;) al			
Geology(Oc)	2A.2.5.5 Exploratory D	rilling(Core/non C	ore)						
Topography V	2A.2.5.5.1 : Core Drillin	ng & Non-Core Dril	ling In for	est area			In No	on-forest	
Exploration-2	SI.No Year	Number of boreholes	Total mtr	Type of borehole	Grid interval	No. of boreholes	Total mtr	Type of borehole	Í.
Exploration-3 V Ore Body Geometry V	1select V	·		select 🗸				select 🗸	
Estimation Method Reserve Estimation Method Enture Exploration	4					_		Þ	
Geological Mapping									
Ground Geophysical Pitting	← Previous Save & Ne:	kt Print All Ne	ext 🌩						

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DASHBOARD General Information General Information General Information	Geology & Exploration (OC) 2A.2.5 Future Exploration Proposal 2A.2.5.5 Exploratory Drilling(Core/non Core)	
Topography V Exploration-1 V Exploration-2 V Exploration-3 V Ore Body Geometry V Estimation Method V Future Exploration ^ Geological Mapping Ground Geophysical	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 Ct	
Pitting Trenching Exploratory Drilling Exploratory Mining	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.	

2.8.6 Exploratory Mining:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 General Information	Geology & Exploration (OC) 2A.2.5 Future Exploration Proposal	
Topography 🗸	2A.2.5.6 Exploratory Mining	
Exploration-1 V	SI.	
Exploration-2	No. Year Pit/Adit ID Length in Mtr Width in Mtr Depth in mtrs	Volume (m ^s)
Exploration-3 V	1sele V	×
Estimation Method ~		+ Add more
Reserve Estimation Methed		
Future Exploration		
Geological Mapping Ground Geophysical Pitting		

2.8.7 Sampling:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section.
- If section is already saved then Update will show instead of Save & Next button.
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2.8.8 Petrographic & Mineralgraphic Studies:

• Enter data as per requirement.

- For Add More Row please refer1.1.1 Initial Lease Details Section.
- If section is already saved then Update will show instead of Save & Next button.
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Geology(Oc)	2A.2.5.8 Petrographic & Mineralgraphic Studies	
Topography V	SI. No. Year Type of Sample	Number of Sample
Exploration-1 V Exploration-2 V	1select v	×
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Ore Body Geometry 🗸 🗸		
Estimation Method		
Reserve Estimation Method		
Future Exploration	← Previous Save & Next Print All Next →	
Geological Mapping Ground Geophysical		
Pitting	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, C	Bovernment of India.

3) 2B Geology (UG)

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



Mineral Beneficiation consists of 8sections:

- 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:

4.1.1Mineralogy of ROM ore / Mineral:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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C DA SHBOARD C C C C C C C C C C C C C C C C C C C	Mineral Beneficiation 3.1 Mineralogy Of ROM Ore / Mineral	
Geology(Oc)	3.1 Mineralogy of ROM Ore / Mineral	
🖆 Mineral Beneficiation 🤿	Name of The Ore/Mineral Piease Enter mineral_name	
Mineralogy	S. Valuable Mineral Name Approx. Mineral % Gangue Mineral % Name Approx. Gangue Mineral %	
Crushing Section	1 ×	
Grinding Section V Dry Processing V		
Wet Processing ~ Product Quality ~		
Disposal Method V Disposal Method V Mining Operations(Oc) V		

4.2 Chemical Analysis:

4.2.1 Chemical Analysis:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section.



- If section is already saved then Update will show instead of Save & Next button.
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DASHBOARD	Mineral Beneficiation 3.2 Complete Chemical Analysis Of The ROM Ore/Mineral	
Geology(Oc)	3.2 Chemical Analysis	
☐ Mineral Beneficiation ∧	SI. No. Radicals Wt %	
Mineralogy ~	1	×
Chemical Analysis		+ Add more
Crushing Section V		
Grinding Section V Dry Processing V	← Previous Save & Next Print All Next →	
Wet Processing 🗸 🗸		
Product Quality 🗸		
Disposal Method 🗸	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.	
Mining Operations(Oc) V	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.

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
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Ceneral Information	Mineral Beneficiation 3.3 Crushing Section	
E Geology(Oc) ✓ Image: Chemical Analysis ✓	3.3.1 Primary Crushing O Applicable Not Applicable	
Crushing Section	← Previous Save & Next Print All Next →	
Ternary Crushing Grinding Section Dry Processing Wet Processing Product Quality	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Governmen MIC INSUMMENT on Provided and Maintained by National Informatics Centre.	t of India.



- If Applicable is selected then form is available to fill data as per requirement.
- For Add More Row please refer1.1.1 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)
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☆ DASHBOARD	Mineral Beneficiation 3.3 Crushing Section
☐ Geology(Oc) ∨	3.3.1 Primary Crushing
Mineral Beneficiation	Applicable O Not Applicable
Chemical Analysis Crushing Section	SI. No. Type of Crusher Make Capacity of Crusher (tph) Feed Size (mm) Product Size (mm)
Primary Crushing Secondary Crushing	Add more
Tertiary Crushing Grinding Section	
Dry Processing V Wet Processing V	← Previous Save & Next Print All Next →
Product Quality V	

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:



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 refer1.1.1 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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CashBoard CashBoard CashBoard CashBoard	Mineral Beneficiation 3.6 Wet Processing	
Geology(Oc) ✓	3.6.1 Scrubbing / Washing	
Mineralogy V	Sr Stype of Scrubbers / Stages, if Make Capacity (tph) Feed Size (nm)	Product Size Product quality Requirement (mm) (if applicale) (Vh)
Crushing Section ~ Grinding Section ~	I	
Dry Processing ~ Wet Processing ^	<	,
Scrubbing / Washing Screening/Classification		
Gravity Separation		

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CashBCARD CashBCARD	Mineral Beneficiation 3.6 Wet Processing		
Mineral Beneficiation Mineral Beneficiation Chomical Analysis Crushing Section Cristing Section V	Intermet Capacity (tph) Feed Size (mm) Product Size Product quality (ff applicale) Water (ff applicale) Freeh Water Requirement (ff)	Recirculated water (I/h)	
Dry Processing V Wet Processing A	4	+ Add more	
Scrubbing / Washing Screening/Classificatio Gravity Separation Magnetic Separation	aviaus Save & Next Print All Next 🔶		
Flotation Other Operations Product Quality	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.		

4.6.2 Screening and Classification:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)
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C DASHBOARD	Mineral Beneficiation 3.6 Wet Processing
 ☐ Geology(Oc) ∨ ☐ Mineral Beneficiation ∧ 	3.6.2 Screening and Classification
Mineralogy V Chemical Analysis V	Si. Type of screen / Stages, if Applicable Make Capacity (tph) Screen/Classifier (mm), if applicable Feed Size (mm) (if applicable (if applicable field))
Crushing Section V Grinding Section V	
Dry Processing V Wet Processing A	<
Screening/Classification Gravity Separation	← Previous Save & Next Print All Next →
Magnetic Separation	

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Mineral Beneficiation A Mineralogy V Chemical Analysis V Crushing Section V Grinding Section V	Aperture Size of Screen(Lassifier (mm) Product Size (mm) Product Size (mm) Product Quality (ff applicate) Requirement (th) Requirement (th) water (th)	
Dry Processing V Wet Processing A Scrubbing / Washing Screening/Classification	Free/ous Save & Next Print All Next	
Magnetic Separation Flotation Other Operations Product Quality	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.	

4.6.3 Gravity Separation:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section.
- If section is already saved then Update will show instead of Save & Next button.
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Mineral Beneficiation Mineralogy Chemical Analysis Crushing Section Ginining Section	Type of separators (ig, table, spiral, etc.) Stages, if applicable Make Capacity (tph) Feed Size (mm) Product (Conc) (tph) (tph) 1	Product.Mid ph), if available (tph)
Orniting Section Ornicolsing Wet Processing Scrubbing / Washing Screening/Classificatio Gravity Separation	<	•

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Mineralogy V Chemical Analysis V Crushing Section V Grinding Section V Dry Processing V Wet Processing ^	Image: site of the second s
Scrubbing / Washing Screening/Classificatio Gravity Separation Magnetic Separation Flotation	Previous Save & Next Print All Next Next
Other Operations Product Quality	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

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.

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CASHBOARD General Information	Î	Mineral Beneficiation 3.6 Wet Processing	
☐ Geology(Oc) ✓ ☐ Mineral Beneficiation ∧		3.6.4 Magnetic Separation Type of magnetic	
Mineralogy ~ Chemical Analysis ~ Crushing Section ~		SL No. separators (magnetic intensity) Stages, if applicable Make Capacity (tph) Feed Size (mm) 1	Product.Mag Product.Mid (tph), if evailable Mag (tph)
Grinding Section V Dry Processing V Wet Processing A		x	,
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	Mineral Beneficiation 3.6 Wet Processing	
Geology(Oc) ✓	3.6.4 Magnetic Separation	
[☐] Mineral Beneficiation ∧ Mineralogy ∨ Chemical Analysis ∨	tity (tph) Feed Size (mm) Product Mag Product Mid Product non- Requirement Requirement (tph), if available Mag (tph) (Vh) (Vh) (Vh) (Vh) water (lated (Vh)
Crushing Section		×
Dry Processing ~		+ Add more
Wet Processing	•	Þ
Scrubbing / Washing Screening/Classificatio Gravity Separation Magnetic Separation	Frevious Save & Next Print All Next	

4.6.5 Flotation:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section.
- If section is already saved then Update will show instead of Save & Next button.
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Mineral Beneficiation 3.6 Wet Processing	
3.6.5 Flotation	
St. Type of flotation equipment No. Stages (rougher/ cleaner, std), if applicable Make Capacity (tph) Feed Size (mn) Produ (t 1	rct Float Product non. Requirement ph) Float (ph) ((/h)
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Crushing Section ~ Grinding Section ~ Dry Processing ~	Mineral Beneficiation 3.6 Wet Processing	
Scrubbing / Washing Scrubbing/Classificatio	3 6 5 Flotation take Capacity (tph) Feed Size (mm) Product-Float (tph) Product non- (tph) Float (tph) Requirement Requirement (t/h) (t/h	ulated r (Vh)
Magnetic Separation Flotation Other Operations		× +Add more
Product Quality V	4	,
Disposal Method V		

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.
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Magnetic Separation	3.6.6 Other Operations
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Product Quality V Disposal Method V	1
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Gravity Separation Magnetic Separation Elotation			* + Add more
Other Operations Product Quality	4		Þ

<u>4.6.7 Product Quality:</u>

- Enter data as per requirement.
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🖒 DASHBOARD			Mineral Benefi	iciation	
General Information 🗸			3.6 Wet Proces	ssing	
🖹 Geology(Oc) 🗸	3.6.7 Product Quali	ty			
Mineral Beneficiation	Products	Wt %	In tonnes	Size (range) mm	Complete chemical analysis
Mineralogy ~	Concentrate				
Chemical Analysis V Crushing Section V	Sub-grade				
Grinding Section 🗸	Rejects				
Dry Processing V					
Wet Processing Scrubbing / Washing Screening/Classificatio Gravity Separation	+ Previous Save &	k Next Print All Next 🔶	l		
Magnetic Separation		Contents Provided	by Indian Bureau of Mines (IBM),	Ministry of Mines, Government of Ind	ia.

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.

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Mineral Beneficiation				
Mineralogy ~			Mineral Benef 3.7 Overall Produc	iciation ct Quality
Crushing Section ~	3.7 Overall Product	Quality		
Grinding Section	Products	Wt %	In tonnes	Size (range) mm
Dry Processing V Wet Processing V	Concentrate			
Product Quality	Sub-grade			
Product Quality	Rejects			

4.8 Disposal Method:

4.8.1 Disposal Method for tailing rejects:

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- If section is already saved then Update will show instead of Save & Next button.

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

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General Information		Mineral Beneficiation 3.8 Disposal Method For Tailing/ Rejects	
Mineral Beneficiation	~	3.8 Disposal Method for tailing/ rejects	
Mineralogy Chemical Analysis Cruching Section		a) Explain the disposal method for tailing or reject from processing plant with detail chemical / mineral analysis of tailing	Choose File No file chosen Only PDF file with max 5mb size.
Grinding Section Dry Processing		b) Size and capacity of tailing pond, toxic effect of such tailings, process adopted to neutralise its effect (if any)	Choose File No file chosen Only PDF file with max 5mb size.
Wet Processing Product Quality		c) Any other data (if available)	Choose File No file chosen Only PDF file with max 5mb size.
Disposal Method Disposal Method		3.9 Overall water requirement of mining and mineral processing	

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IBM =		Session time: 21 : 41 · ACC Limited o
🟠 DASHBOARD	3.9 Overall water requirement of mining and mineral processing	
General Information Geology(Oc)	Indicate quantity, source of supply, disposal of water and extent of recycling and chemical water	analysis of Choose File No file chosen Only PDF file with max 5mb size.
Mineral Beneficiation	3.10 Flow Sheets And Cha	arts
Mineratogy V Chemical Analysis V Crushing Section V	Material balance chart of mineral processing plant(s) (each stage of process)	Choose File No file chosen Only PDF file with max 5mb size.
Grinding Section V Dry Processing V	Attach flow sheet of beneficiation of plant(s)	Choose File No file chosen Only PDF file with max 5mb size.
Wet Processing ~ Product Quality ~ Discount Method ~	Any other data (if applicable)	Choose File No file chosen Only PDF file with max 5mb size.
Disposal Method		

5) 4A Mining Operation (OC)

Mining Operation (OC) consists of 11sections:

- 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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IBM ≡			Session time: 23	3:49 ~ ACC Limited Mine Owner ©
Mineral Beneficiation		Mining Operation(OC) 4A.1 Mining Method		
Mining Operations(Oc)	4A.1 Existing And Proposed			
Existing And Proposed	4A.1.1 Existing Method of Mining:	O Manual	O Mechanized	
Existing Pits/Dumps V	Choose one or more:	Surface Miner 🗸 Surface Miner	✓ Surface Miner ✓	Surface Miner 🗸
Material Handling	4A.1.2 Proposed Method of Mining:	O Manual	 Mechanized 	
Machine Calculation V Machine Deployment V	Choose one or more:	Surface Miner 🗸 Surface Miner	✓ Surface Miner ✓	Surface Miner 🗸
Blasting Requirement V Man Power V	Reasons for Proposed Changes:			
Waste Management ~ Waste Handling ~				
Use Of Minerals				

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 refer1.1.1 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)	
IBM =	Session time: 23 : 56 V ACC Limited Mine Owner	
🟠 DASHBOARD		
General Information V General Information V General Information V	Mining Operation(OC) 4A.2 Operational Parameters	
☐ Mineral Beneficiation ∨	4A.2.1 Inventory Of Existing Pits & Dumps	
Mining Operations(Oc)	4A.2.1.1 : Pits	
Mining Method Existing Pits/Dumps	S.No. Pit ID Pit Status Area Covered by Pit (Ha) Pit Dimension (L*W*D) 1 -select ×	
Pits Dump Details	+Add more	
Stack Details Stabilized Dumps		
Opencast Mining ~ Material Handling ~	←Provious Save & Next Print All Next →	
Machine Calculation V		



5.2.2 DumpDetails:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	
IBM =	Session time: 23 48 · ACC Limited Mine Owner	
DASHBOARD Ceneral Information Ceneral Information Ceneral Information	Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps	
Image: Second system Image: Second system Image: Second system Ima	4A.2.1.2.1Dump S & Stack 4A.2.1.2.1 Dump Details Latitude (dd:mm:ss.ss)	
Mining Mithod V Existing Pits/Dumps A Pits Dump Details	S.No. Dump ID Dump Status Type of Dump Total Dump Quantity (t) Area covered by Dump (Ha) Height (m) From To 1 select- select- select- select- select- select- select-	
Addet Sublined Dumps Opencast Mining ~ Material Handling ~ Machine Calculation ~		
🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	
IDM		
ІВМ ≡	Session time: 23:51 v ACC Limited Mine Owner	Φ
DASHBOARD	Session time: 23 : 51 ~ ACC Limited Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps	Φ
IBM ■ [↑] DASHBOARD [↑]	Session time: 23 : 51 V ACC Limited Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps 4A.2.12 Dumps & Stack	Q
	Session time: 23:51 <u>ACC Limited</u> <u>Mining Operation(OC)</u> <u>4A.2.1 Inventory Of Existing Pits & Dumps 4A.2.1.2 Dumps & Stack 4A.2.1.2 Dump Details Latitude (dd:mm:ss.ss) </u>	¢
DASHBOARD DASHBOARD Geology(Oc) Geology(Oc) Mineral Beneficiation Mining Operations(Oc) Mining Method Existing Pits/Dumps	Session time: 23:51 <u>ACC Limited</u> <u>Mining Operation(OC)</u> <u>4A.2.1 Inventory Of Existing Pits & Dumps AA.2.1 Inventory Of Existing Pits & Dumps AA.2.1 Inventory Of Existing Pits & Dumps AA.2.1 Inventory Of Existing Pits & Dumps AA.2.1.2 Dumps & Stack AA.2.1.2 Dump Details <u>Intitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss)</u> <u>From To From To From To Existing Pits & Dump (Ha) Height (m) From To From To Existing Pits & Dump (Ha) Height (m) From To From To Existing Pits & Dump (Ha) Height (m) From To From To Existing Pits & Dump (Ha) Height (m) From To From To Existing Pits & Dump (Ha) Height (m) From To From To Existing Pits & Dump (Ha) Height (m) From To From From From From From From From Fro</u></u>	ð
DASHBOARD General Information Geology(Oc) Mineral Beneficiation Mining Operations(Oc) Mining Method Pits Dump Details Stack Details	Session time: 23:51	0

5.2.3 Stack Details:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	
IBM ≡	Session time: 23:54 ~ ACC Limited Mino Owner •	
CashBOARD	Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps	
Image: Geology(Oc) ✓ Image: Geology(Oc) ✓ Image: Geology(Oc) ✓	4A.2.1.2 Dumps & Slack 4A.2.1.2.2 Stack Details	
Mining Operations(Oc) Mining Method Existing Pits/Dumps Pits Dump Details Stack Details	Latitude (dd:mm:ss.ss) Longitude (d S.No. Stack ID Type of Stack Total Stack Quantity (t) Area covered by Stack (Ha) Height (m) From To From 1 select- <	
Stabilized Dumps Opencast Mining ~ Material Handling ~	Previous Save & Next Print All Next- MINING TENEMENT SYSTEM MINISTRY OF MINES	
Indian Bureau of Mines	Mining Plan Approval System (MPAS)	
IBM ≡	Session time: 23:43 VACC Limited Mine Owner	
	Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps	
Geology(Oc) ✓	4A 2.1.2 Dumps & Stack	
Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Existing Pits/Dumps Image: Second system	4A.2.1.2.2 Stack Details Latitude (dd::mm:ss.ss) Longitude (dd::mm:ss.ss) of Stack Area covered by Stack (Ha) Height (m) From To From To ect- X	
Pits Dump Details Stack Details Stabilized Dumps	Add more	
Opencast Mining V Material Handling V	Frevious Save & Next Print All Next →	

5.2.4 Details of Stabilized Dumps:

- Enter data as per requirement. ٠
- For Add More Row please refer1.1.1 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. ٠

	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre
🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM ≡	Session time: 23:55 ~ ACC Limited Mine Owner
DASHBOARD General Information	Mining Operation(OC) 4A.2.1 Inventory Of Existing Pits & Dumps
Geology(Oc)	4A.2.1.3 Details of Stabilized Dumps
Image: Second state Image: Second state Image: Second state Image: Second state </th <th>SLNo. Dump ID Number of Terraces Average Height of Terraces (m) Length of Toe Wall (m) Gatand Drain (m) Area Stabilized (ha) Method of Stabilization</th>	SLNo. Dump ID Number of Terraces Average Height of Terraces (m) Length of Toe Wall (m) Gatand Drain (m) Area Stabilized (ha) Method of Stabilization
Mining Method V Existing Pits/Dumps	
Pits Dump Details	
Stack Details Stabilized Dumps	← Provious Save & Noxt Print All Next →
Opencast Mining V Material Handling V	
Machine Calculation X	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

5.3 Opencast Mining:

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

5.3.1Bench Parameter:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)
IBM ≡	Session time: 22:55 VACC Limited Mine Owner
🟠 DASHBOARD	Mining Operation(OC)
General Information	4A.2.2 Opencast Mining
Geology(Oc) ✓	4A.2.2.1 Bench Parameters
Mineral Beneficiation V	Max Height of Min Width of the Slope of the Max Height of Minimum Width Slope of the Barebas in Over Barebas in Over
Mining Operations(Oc)	Pit Id Year Over Burden (m) Burden (m) Burden (degree) Mineral (m) in Mineral (m) Mineral (degree) Pit (
Mining Method 🗸	select v
Existing Pits/Dumps 🗸	
Opencast Mining	
Bench Parameters	
Yearwise Data	
Yearwise Data1	
Transportation	
Material Handling 🗸	
	🚅 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre
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indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM ≡	Session time: 22 : 09 ~ ACC Limited Mine Owner
C DASHBOARD C DASHBOARD	Mining Operation(OC) 4A.2.2 Opencast Mining
 ☐ Geology(Oc) ∨ ☐ Mineral Beneficiation ∨ 	4A.2.2.1 Bench Parameters
Mining Operations(Oc)	Chine Overall Slope of I (degree) Benches in Top Soil Invaniant on the sin Over Burden Manage of Benches in Over Burden Max Depth of Workings (m) Depth of Water Table (m) of Haul Roads (fax in)
Existing Pits/Dumps V Opencast Mining A	+Add more
Bench Parameters Yearwise Data	۲ () () () () () () () () () (
Yearwise Data1 Transportation	← Previous Save & Next Print All Next →
Material Handling V	

5.3.2Yearwise Opencast Development – I Continue:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	GOVERNMENT OF INDIA
IBM =		Session time: 23 : 31 · ACC Limited Mine Owner •
Master ▲ ▲ ▲	Mining Operation (OC) 4A.2.2 Opencast Mining	
€ Geology(Oc) ✓	4A.2.2.2 Yearwise Opencast Development - I Continue	
Image: Mineral Beneficiation Image: Mineral Beneficiation Image: Mineral Beneficiation Image: Mineral Beneficiation	Sr No Year Pit ID Bench Direction (BD1) (ton/m ³)	Bulk Density of Top Soil Volume Volume (Length Ore (BD2) (Length x Width (ton/m²) x Height) (m³)
Mining Method V Existing Pits/Dumps V	1select •	
Opencast Mining A Bench Parameters		Total :
Yearwise Data Yearwise Data1	4	•
Transportation Material Handling V Machina Calculation V	← Previous Save & Next Print All Next →	

Digital India Power To Empower	राष्ट्रीय सू Nationa	वना विज्ञान कें I Informatic	ਫ਼ sCentre						
Indian Bureau of Mines			G TENEN ng Plan App	IENT S	YSTEM em (MPAS)				OF MINES
IBM ≡						Se	ession time: 2	2:34 × A	CC Limited ne Owner
DASHBOARD General Information				Mining 4A.2.2	Operation (Opencast Mir	(OC) hing			
Geology(Oc)	4A.2.2.2 Yearw	ise Opencast D	evelopment - I C	ontinue					
Image: Second system Image: Second system Image: Second	Over Burden Quantity (t)	ROM Volume (Length x Width x Height) (m³)	ROM Quantity (t)	Recovery	Mineral Reject (t)	Production Main (t)	Production Associated (t)	Ore to OB Ratio (ton/m ³)	
Mining Method V Existing Pits/Dumps V									×
Opencast Mining									+ Add mo
Bench Parameters Yearwise Data	4							_	•
Yearwise Data1 Transportation	L								
Material Handling V	← Previous	Save & Next Pri	int All Next 🔶						

5.3.3Yearwise Opencast Development – I End:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	BOVERNMENT OF MINES
IBM ≡	Session time:	23:53 ~ ACC Limited Mine Owner &
DASHBOARD General Information	Mining Operation(OC) 4A.2.2 Opencast Mining	
☐ Geology(Oc) ✓ ☐ Mineral Beneficiation ✓	4A.2.2.2 Yearwise Opencast Development - I End	
Mining Operations(Oc)	S.No. Year Pit ID Total Topsoil Burden Volume (m ²) Total ROM (m ²) Volume (m ²) Volume (m ²) Columna (m ²) Volume (m ²) Columna (m ²)	otal ROM luantity (t)
Mining Method V Existing Pits/Dumps V	Total:	
Bench Parameters Yearwise Data		+ Add more
Yearwise Data1 Transportation		
Material Handling V		

5.3.4 Transportation & Hauling Equipment:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING TENEMENT SYSTEM	INISTRY OF MINES
indian Bureau of Mines	Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 55 · ACC Limited •
DASHBOARD General Information Geology(Oc) Mineral Beneficiation	Mining Operation(OC) 4A.2.2 Opencast Mining 4A.2.3 Transportation & Hauling Equipment	
Mining Operations(Oc) > Mining Method > Existing Pits/Dumps > Opencast Mining >	S.No. Type Make Capacity (m3) 1 setect V	No. of Equipments Add more
Bench Parameters Yearwise Data Yearwise Data Transportation	Previous Save & Next Print All Next Next	
Material Handling V Machine Catculation V	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Gov	remment of India.

5.4 Material Handling:

- Material Handling consists4 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.

🤹 Indian Bureau of Mines	MINING TENEN Mining Plan App	IENT SYST roval System (M	TEM IPAS)	INES INDIA
IBM ≡			Session time: 23 : 43 · ACC Lim	ited 🕁 er
C DASHBOARD	4A.3.1 Studies Undertaken		5	
Image: Beneral Information ✓ Image: Beneral Information ✓ <	Title	Study Undertaken	Attachment (only pdf allowed)	
■ Mineral Beneficiation ∨	Blast Vibration Study Report	yes 🖌 Cho	ose File No file chosen	
E Mining Operations(Oc) ∧	Slope Stability Study Report	yes 🖌 Cho	ose File No file chosen	
Mining Method V Existing Pits/Dumps V	Recovery Study Report	yes 👻 Cho	ose File No file chosen	
Opencast Mining 🗸	Hydrological Study Report	yes 👻 Cho	ose File No file chosen	
Material Handling	Mineral Beneficiation Study Report	yes v Cho	ose File No file chosen	
Insitu Mining	Subsidence Study Report	yes 👻 Cho	ose File No file chosen	
Dump Workings	Geotechical Study Report	yes 👻 Cho	ose File No file chosen	
Calculation Summary Machine Calculation	Any Other Study Report	yes 🗸 Cho	ose File No file chosen	

Digital India Power to Empower	■ राष्ट्रीय सूचना विज्ञान केंद्र ≣ National Informatics Centre		
💑 Indian Bureau of Mines	MINING TENEI Mining Plan App	MENT SYSTEM proval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		s	ession time: 22 : 26
🟠 DASHBOARD	Subsidence Study Report	yes 🗸 Choose File No file chosen	
General Information V	Geotechical Study Report	yes 🗸 Choose File No file chosen	
Geology(Oc)	Any Other Study Report	yes V Choose File No file chosen	
Image: Second secon	Bulk Density Study Report	yes	
Mining Method V Existing Pits/Dumps V]
Opencast Mining V Material Handling	Previous Save & Next Print All Next		
Material Handling Insitu Mining Durup Workings Calculation Summary	Contents Provided b	y Indian Bureau of Mines (IBM), Ministry of Mines, Governme NTC EXTRUMENTATION d, Developed and Maintained by National Informatics Centre.	int of India.

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.

Indian Bureau of Mines		MI	NING T Mining P	ENEMEI Ian Approva	NT SYS Il System (I	TEM MPAS)			NISTRY OF I
IBM =							Sessio	n time: 23 : 50	 ACC Lin Mine Own
DASHBOARD	4A.3.2	Insitu Mining				, , ,			
을 General Information ~ 을 Geology(Oc) ~	Sr No	Year	Waste Quantity (t)	ROM Quantity (t)	Total Handling (t)	ROM Quantity Saleable Mineral (t)	ROM Quantity Mineral Reject (t)	Ore to OB Ratio (ROM Quantity / Waste Quantity)	Grade Range (%)
Mineral Beneficiation Mining Operations(Oc)	1	2020-202 🗸							
Mining Method 🗸	2	2020-202 🗸							
Existing Pits/Dumps V Opencast Mining V	3	2020-202 🗸							
Material Handling	4	2020-202 🗸							
Insitu Mining		Total :							L
Dump Workings Calculation Summary									

5.4.3 Dump Workings:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

	📕 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Cent	re		
indian Bureau of Mines	MINING TE Mining Pla	NEMENT SYST	EM PAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =	-		Sessior	n time: 23 : 54 · ACC Limited Mine Owner •
 ☆ DASHBOARD ☆ General Information 		Mining Oper 4A.3 Material Har	ation (OC) Idling Summary	
Geology(Oc)	4A.3.3 Dump workings			
Mineral Beneficiation Mining Operations(Oc) Mining Method V	SI. No. Year Dump Id	Latitude (dd:mm:ss.ss) From To	Longitude (dd:mm:ss.ss) From To	Avg Height of Area (m2) Durnp (m)
Existing Pits/Dumps v Opencast Mining v Material Handling A	1select v			
Material Handling Insitu Mining Dump Workings Calculation Summary	4 Frevious Save & Next Print All	Next 🔶		,

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	
IBM ≡	Session time: 23 : 15 ~ ACC Limite Mine Owner	d O
C DASHBOARD ←	Mining Operation (OC) 4A.3 Material Handling Summary	
Geology(Oc) V	4A.3.3 Dump workings	
Mining Operations(Oc) >	leight of Volume (m ²) Constitive (f) Proposed Dump Proposed Dump Science (Quantity (t) (A. Grade Bange Justification Justification	
Existing Pits/Dumps v Opencast Mining v		
Material Handling A	Add more	•
Insitu Mining Dump Workings		
Calculation Summary	◆Previous Save & Next Print All Next →	

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.

Digital India Power to Empower	न राष्ट्रीय सूचना विज्ञान केंद्र National Informatics (Centre				
Indian Bureau of Mines		TENEME Plan Approv	NT SYST	EM PAS)		GOVERNMENT OF INDIA
IBM ≡					Session time: 23 :	55 ~ ACC Limited Mine Owner
🟠 DASHBOARD	4A.3.4 Calculation Summary			<u> </u>		
General Information V	No.	1000 0004	2024 2022	5000 5000	1000 0004	T + 1
🖹 Geology(Oc) 🗸	Year	2020-2021	2021-2022	2022-2023	2023-2024	lotal
Mineral Beneficiation	(A) Total ROM quantity (t)					
Mining Operations(Oc)	(B) Saleable ore from ROM (t)					
Mining Method V	(C)Proposed Dump Handling Quantity (t)					
Existing Pits/Dumps V Opencast Mining V	(D)Saleable Ore recovered from dump workings (t)					
Material Handling	(E)Total Saleable Ore (t)(-B+D)					
Material Handling	(F) Total Quantity Handled (t)					
Insitu Mining	(=A+C)					
Dump Workings						
Calculation Summary						
Machine Calculation 🗸	← Previous Save & Next Print A	II 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.

💑 Indian Bureau of Mines	MINING TENEMENT SYSTE Mining Plan Approval System (MP	E M AS)		ISTRY OF MINES
IBM =		Sessio	on time: 22 : 28	 ACC Limited Mine Owner
DASHBOARD AshBoard General Information	Mining Operatic 4A.4 Machine Cal	on (OC) culation		
Geology(Oc)	4A.4.1 Machine Requirement Summary			
Image: Second system Image: Second system Image: Second	Number of Average Working Days in One Year (A): Numb	er of Shifts per Day (B):		
Mining Method V Existing Pits/Dumps V	Material Handling Required per Day (t) ((D)=Largest of (Q1,Q5)/(A)): Mater	ial to be Handled per Shift (t) (i	(E)=(D)/(B)):	
Opencast Mining 🗸 🗸	Handling Required per Hour (t) ((F)=(E)/8 hours):	ive Shift Time:		
Material Handling ~ Machine Calculation ^	8 h	rs 🗸	30 mins	~
Machine Shovel / Excavator				,
Dumper Drill Machine				

5.5.2 Shovel / Excavator Requirement:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

	📲 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡		Session time: 23 : 49
Canaral Information	4A.4.2 Shovel / Excavator Requirement	
Central Information Central Information Central Information Central Information	Effective Shift Time:	
Imining Operations(Oc) Mining Method Existing Pits/Dumps Opencast Mining Material Handling	Si. No. Type Bucket Capacity (m*)(A) Bucket Fill Swell Factor (C) Tonnage Factor (m*)t (0) 1	Machine Utilization Factor (%) (U) Efficiency (%) Cycle time (se
Machine Calculation Machine Shovel / Excavator Dumper Dtill Machine	4	
🧕 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	
IBM ≡		Session time: 22 : 16 ~ ACC Limited •
IBM =	4A.4.2 Shovel / Excavator Requirement	Session time: 22:16 ACC Limited Mine Owner
IBM ≡ ☆ DASHBOARD	4A.4.2 Shovel / Excavator Requirement	Session time: 22:16 ACC Limited Mine Owner
IBM Image: DashBoard Image: General Information Image: Geology(0c) Image: Geology(0c) Image: Mineral Beneficiation	4A.4.2 Shovel / Excavator Requirement Effective Shift Time:	Session time: 22:16 · ACC Limited •
IBM	4A.4.2 Shovel / Excavator Requirement Effective Shift Time: Colspan="2">Maximum (G) TPH =TPH (G) = (G) SD & A X & X Yearly handling the matrial by the material by the second colspan="2">Maximum handling of the material by the material by the second colspan="2">Maximum handling of the material by the material by the second colspan="2">Maximum handling of the material by the material by the second colspan="2">Maximum handling of the material by the second colspan="2">Maximum handling the the second colspan="2" %) Cycle time (sec) B < C > D < X < X Ffective shift Excavator (t) (t) (t) Maximum handling the block period (t) (t) %) Cycle time (sec) B < C > D < X < X Ffective shift Excavator (t) (t) Maximum handling the block period (t) (t)	Session time: 22:16 ACC Limited In Idak
IBM DASHBOARD Constraints General Information Constraints Geology(Oc) Mining Operations(Oc) Mining Operations(Oc) Mining Method Existing Ptis/Dumps Opencast Mining Material Handling Material Handling	4A. 4.2 Shovel / Excavator Requirement Effective Shift Time: Total Hours (H) 	Session time: 22:16 ACC Limited Mine Owner Number of Received of required (K) = (J Standby excavator (L) ACC Limited ACC Limited ACC Limited ACC Limited
IBM	4A.4.2 Shovel / Excavator Requirement Effective Shift Time: Maximum House of working days x (G) TPH - TPH B K) Cycle time (sec) B X C x D X E x Ffective shift B X C x D X E x Effective shift Cycle time (sec) (F) (C) TPH - TPH B S X C x D X E x Ffective shift Effective shift (G x II) (F) (C) (J)	Number of excavator machines required ((fr) -{u excavator (1) * Add mare * Add mare

5.5.3 Dumper Requirement:

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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.

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING TENEMENT SYSTEM	INISTRY OF MINES
Indian Bureau of Willes	Mining Pian Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 54 · ACC Limited Mine Owner
🟠 DASHBOARD	4A.4.3 Dumper Requirement	
General Information V		
Geology(Oc) ✓	Effective Shift Time:	
Image: Second	Total Hours=Number of working days (Wix Number of shifts/day x Effective shift bours (Machine No Time taken to cover distance (KMPH) SL Requirement No Capacity of Summary (A) Speed of the dumper (KMPH) (i) Lead Distance (KM) (ii) 1	Queuing, Loading Time at Shovel (min) (iv) Queuing, unloading Time to (v) Total Time to complete one trip(vi) = (iii + iv (v) Total Time to complete one trip(vi) = (iii + iv (v) Total Time to (vi) Total Time to (vi) <thttotal time="" to<br="">(vi) <thttotal th="" time="" to<=""></thttotal></thttotal>
Machine Shovel / Excavator Dumper Drill Machine		,

💑 Indian Bureau of Mines	MINING TENEMEN Mining Plan Approval	NT SYSTEM I System (MPAS)	GOVERNMENT OF MINES
IBM ≡		Session tim	ne: 23 : 20 · ACC Limited Mine Owner o
C DASHBOARD	4A.4.3 Dumper Requirement		
General Information V	Effective Shift Time:		
☐ Mineral Beneficiation ∨			
Mining Method	euing, Jing Time Total Time to Total uring complete one transportal	Maximum handling of the material by this tion Yearly handling machine during Number of	
Opencast Mining	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	e Plus Standby dumper (xii)
Material Handling V Machine Calculation			+ Add more
Machine Shovel / Excavator	4		•
Dumper Drill Machine			

5.5.4 Drill Machine Requirement:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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💩 Indian Bureau of Mines	MINING TENE Mining Plan Ap	MENT SYSTEM proval System (MPAS)	GOVERNMENT OF MINES
IBM ≡		Sess	ion time: 23 : 51 ~ ACC Limited ර
Mining Method V Existing Pits/Dumps V	4A.4.4 Drill Machine Requirement		
Opencast Mining V Material Handling V	Effective Shift Time:		
Machine Calculation	Note : "Number of Average Working Days" should b	e same as that in section 4A.4.1 Machine Requirement Summa	ry
Machine Shovel / Excavator Dumper Drill Machine			Yield per Meter (fin) = Vield per
Machine Deployment \checkmark Blasting Requirement \checkmark	Depth of Hole(including SI. Sub-grade No Type of Drill Drilling (m) Spacia	Bulk Density of Bulk Density ng (m) Burden (m) Waste (t/m²) Mineral (t/m	Hole (t)/Depth of Hole (ncluding Sub-grade ') Yield per Hole (t) Drilling (m)
Man Power V Waste Management V	1select v		
Waste Handling V Use Of Minerals V	4		,

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM =	Sessio	n time: 23 : 03 ~ ACC Limited Mine Owner 🏼 🖕
Mining Method V Existing Pits/Dumps V	4A.4.4 Drill Machine Requirement	
Opencast Mining V Material Handling V	Effective Shift Time:	
Machine Calculation	Note : "Number of Average Working Days" should be same as that in section 4A.4.1 Machine Requirement Summary	irod
Shovel / Excavator Dumper Drill Machine	Drilling Drilling Requirement per Day (m) – (Manual Target (Annual Target Rate of Drilling Requirem Vield per Meter Known (t) Vield per Hours (mhr) Day (m)	roo nnual nown Illing ent per Yeld
Machine Deployment Blasting Requirement	(turn) = Yteld per per Meter - Unling per Meter Hole (t)/Depth of (t/m)/Number of Requirement per Number of Hole(including Average Drilling Shif Average Sub-grade Annual Target Working Days in Requirement per t(m)/Effective Working er Hole (t) Drilling (m) Known (t) One Year (A) Shif (tm) Shift Time One Year	(t/m),^ prof lege Daysin r(A))) Stand by Drill
Man Power V Waste Management V		
Waste Handling V Use Of Minerals V	•	+Add more

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 refer1.1.1 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	MIN	NING TEN Mining Plan	EMENT SYS Approval System (f	TEM MPAS)		STRY OF MINES
BM ≡				Se	ssion time: 23 : 25	 ACC Limited Mine Owner
DASHBOARD			Mining Opera 4A.4.5 Machine Dep	ation (OC) ployment Details		
Mineral Beneficiation V Mining Operations(Oc)	4A.4.5.1 Excavator & L S. No Ty	oading Equipment	Make	Capacity (m3)	No. of Equipments	
Mining Method V Existing Pits/Dumps V Opencast Mining V	1					+ Add more
Material Handling V Machine Calculation V Machine Deployment A		t Driet All Mart				

5.6.2 Dozers Details:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 54 · ACC Limited •
DASHBOARD General Information	Mining Operation (OC) 4A.4.5 Machine Deployment Details	
Geology(Oc) V	4A 4.5.2 Dozers Details	
Mining Method V Existing Pits/Dumps V	No Type Make Capacity (hp) 1	No. of Equipments X + Add more
Opencast Mining V Material Handling V Machine Calculation V		
Machine Deployment		
Drilling	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Gov	vernment of India.

5.6.3 Drilling Details:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)	BOVERNMENT OF INDIA
IBM =		Session time: 23 : 52 · ACC Limited Ø
Mining Method 🗸 🔷		
Existing Pits/Dumps 🗸 🗸	Mining Operation (OC)	
Opencast Mining 🗸 🗸	4A.4.5 Machine Deployment Details	
Material Handling 🗸 🗸	4A.4.5.3 Drilling Details	
Machine Calculation 🗸		
Machine Deployment	S. No Type Make Capacity (t)	Diameter of Hole (mm)
Excavator		
Dozers		
Drilling		+ Add more
Blasting Requirement 🗸		
Man Power 🗸 🗸		
Waste Management 🗸		
Waste Handling 🗸 🗸	← Previous Save & Next Print Au Next →	
Use Of Minerals 🗸 🗸		
Sustainable Mining V	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Gov	vernment 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 Waster Development:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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🤹 Indian Bureau of Mines	Mining Plan Approval System (MPAS)	BINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡	Sessio	n time: 23 : 22 · ACC Limited Mine Owner •
DASHBOARD DASHBOARD General Information General Information Seology(Oc)	Mining Operation (OC) 4A.5 Blasting Requirement 4A.5.1 Blasting & Explosive Requirement in Waste/Development	
Mineral Beneficiation	St. Drill Pattern / Spacing of Holes (m) Burden of Holes Number of Rows / Rings Yield per Holes in Waste (m') Frequency of Blasting in a Week Moximum Blasting Round 1	S Charge per Hole Charge per Round (kg)
Blast & Expl Reg In Waster Blast & Ern Reg In Master	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡	Sessio	n time: 23 : 50 · ACC Limited Mine Owner •
Mining Method Existing Pits/Dumps Onnecert Mining	Mining Operation (OC) 4A.5 Blasting Requirement	
Material Handling V	4A.5.1 Blasting & Explosive Requirement in Waste/Development	

5.7.2 Blasting & Explosive Requirement in Mineral/Ore:

Previous

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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The second secon	4A.5.2 Blasting & Explosive Requirement in Mineral / Ore	
Image: Second product of the second product of t	Type of Explosive Type of Explosives used / to be Used Ammonium Nitrate Fuel Oil Mixture Image: Aluminised Gelled Slurry Explosives (Large Stress)	-
Mining Operations(Oc) Mining Method Existing Ptis/Dumps Opencast Mining V	Total ROM proposed to be handled in No. Total ROM proposed to be handled in CUM/ day Spacing of Holes (m) Burden of Holes (m) Y Number of Rows 1	ield per Holes ROM Zone (m ²) Frequency of Bissing in a Week Number of Holes Blasted in a Round)
Material Handling Machine Calculation Machine Deployment Blasting Requirement Blast & Expl Req in Was Deploy E page has Name	<	,
🤹 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	COVERNMENT OF MINES
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🟠 DASHBOARD	4A.5.2 Blasting & Explosive Requirement in Mineral / Ore	
Image: Second procession ✓ Image: Second procession ✓ Image: Second procession ✓ Image: Second procession ✓	Type of Explosive Type of Explosives used / to be Used Ammonium Nitrate Fuel Oil Mixture Image: Aluminised Gelled Slurry Explosives (Large	~
Mining Operations(Oc) A	Isosive irement onth for AZone ing (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
Material Handling V Machine Calculation V Machine Deployment V		+Add more

5.8 Man Power:

• Man Power consists of 8 sections.

+ Previous

 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 refer1.1.1 Initial Lease Details Section

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- If section is already saved then Update will show instead of Save & Next button.
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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 : 50 · ACC Limited •
Material Handling Machine Calculation Machine Deprovement Elasting Recomment Machine Deprovement	Mining Operation (OC) 4A.6 Man Power Deployment	
Managerial Supervisory Skilled / Operators Unskilled Part1 Unskilled Part2	Sr. Particulars Number of Persons in Shift 1 Number of Persons Shift 2 Number of Persons 1 select- </th <th>Number of Persons in General Shift Total No. of Persons per day Image: Add more Image: Add more</th>	Number of Persons in General Shift Total No. of Persons per day Image: Add more Image: Add more
No Of Persons Supervision Waste Management Waste Handling Use Of Minerals	◆ Previous Save & Next Print All Next ◆	

5.8.2 Supervisory:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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IBM ≡	-	Session time: 23:54 ~ ACC Limited Mine Owner •
Material Handling		
Machine Calculation	Mining Operation (OO)	
Machine Deployment V	Mining Operation (OC)	
Blasting Requirement V	4A.6 Man Power Deployment	
Man Power	4A.6.2 Supervisory	
Managerial		
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 Ge	neral Shift per day
Skilled / Operators	1select V	
Semi-Skilled		
Unskilled Part1		+ Add more
Unskilled Part2		
No Of Persons		
Supervision	Z Provinue Saura & Mayt Drint All Nave >	
Waste Management 🗸 🗸		
Waste Handling 🗸 🗸		

5.8.3 Skilled Operations:

- Enter data as per requirement.
- For Add More Row please refer1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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DASHBOARD General Information Control of the second	Mining Operation (OC) 4A.6 Man Power Deployment AA.6.3 Skilled/Operators Sec. Particulars Number of Persons Number of Persons Number of Persons Total No. of Persons 1 select-
Material Handling Machine Calculation Machine Deployment Blasting Requirement Man Power Managerial	Previous Save & Next Print All Next Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.

5.8.4Semi Skilled Workers:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
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Material Handling 🗸 🔺	
Machine Calculation V	
Machine Deployment 🛛 🗸	Mining Operation (OC)
Blasting Requirement 🗸	4A.6 Man Power Deployment
Man Power	4A.6.4 Semi-skilled Workers
Managerial	
Supervisory	Sr. Number of Persons in Number of Persons in Number of Persons in Total No. of Persons per Shift 3 General Shift 2 day
Skilled / Operators	
Semi-Skilled	
Unskilled Part1	▲ Add more
Unskilled Part2	
No Of Persons	
Supervision	
Waste Management 🗸	← Previous Save & Next Print All Next →
Waste Handling 🗸 🗸	
Use Of Minerals 🗸 🗸	

5.8.5 Unskilled Workers:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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	NET राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre
indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
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Mining Method 🗸 🔷	
Existing Pits/Dumps 🗸 🗸	Mining Operation(OC)
Opencast Mining 🗸	4.6 Man Rower Deployment
Material Handling 🗸	
Machine Calculation V	4A.6.5 Unskilled Workers
Machine Deployment V	Sr. Number of Persons in Number of Persons in Number of Persons in Number of Persons in Total No. of Persons per
Blasting Requirement 🗸	No. Shift 1 Shift 2 Shift 3 General Shift day
Man Power	
Managerial	
Supervisory	
Skilled / Operators	
Semi-Skilled	
Unskilled Part1	← Previous Save & Next Print All Next →
Unskilled Part2	
No Of Persons	
Supervision	Contents Dravided by Indian Durany of Mass /IDM). Ministry of Mass Coursement of India

5.8.6 Others, specify:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)								
IBM =	Session time: 23:36 ACC Limited Mine Owner •								
Man Power	Mining Operation(OC) 4A.6 Man Power Deployment								
Supervisory Skilled / Operators	4A.6.6 Others, specify								
Semi-Skilled Unskilled Part1	Sr. No. Particulars Number of Persons in Shift 2 Number of Persons in Shift 3 Number of Persons in Shift 3 Intersonal Shift 1 1 select <								
No Of Persons	Add more								
Waste Management V Waste Handling V									
Use Of Minerals ~									
Mine Closure Plan	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.								

5.8.7No. of Persons Engaged Per Day:

- Enter data as per requirement.
- If section is already saved then Update will show instead of Save & Next button.
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Mining Method > Existing Pits/Dumps >	Mining Operation(OC) 4A.6 Man Power Deployment	
Opencast Mining V Material Handling V	4A.6.7 No of Persons Engaged Per Day	
Machine Calculation \checkmark Machine Deployment \checkmark	Number of Persons in Shift Number of Persons in Shift Number of Persons in Shift Number of Persons in G	eneral Total No. of Persons per day
Blasting Requirement V Man Power	No of Shifts per Day ((A) = Machine Requirement Summary (B))	
Managerial Supervisory	Average Daily Employment per Shift ((B) = (Total Number of Person per Day) / (A))	
Skilled / Operators Semi-Skilled	Material to be Handled per Shift ((C) = Machine Requirement Summary (E))	
Unskilled Part1 Unskilled Part2		
No Of Persons		

5.8.8 Supervision:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM =	Session time: 23:51 v ACC Limited Mine Owner o
Man Power	Mining Operation(OC) 4A.6 Man Power Deployment
Skilled / Operators Semi-Skilled Unskilled Part1 Unskilled Part2	4AX-0-8 Supervision SLNo. Particulars Qualification Requirement / Projected (Requirement / Projected) - (in Position / Existing Strength) = (.) SLNo. Particulars Qualification Proposed Strength Shortage / (*) Excess Remarks
No Of Persons Supervision Waste Management 🗸	1select V X
Waste Handling ~ Use Of Minerals ~ E Sustainable Mining ~ E Mine Closure Plan ~	← Provious Save & Next Print All Next ←
[合] Financial Accuracy of	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 refer1.1.1 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 1	time: 23 : 08	 ACC Limited Mine Owner 	٩
Man Power Waste Management Existing Dump		4A.7.1 Existin	g Dump		I	Vining Ope 4A.7 Waste M	ration(OC) ^{Janagement}				
Existing Stack New Stack		SL .	fear	Dump Id	Type of Dump	Proposed Area (ha)	Height (m)	Latitude (dd From	:mm:ss.ss) To	Longitude (dd From	
Waste Handling ~ Use Of Minerals ~ Image: Sustainable Mining ~		1se	lect 🗸		select 🗸						
Sustainable mining		4		_				_		Þ	
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Man Power V Waste Management A	Mining Operation(OC) 4A.7 Waste Management 4A.7.1 Existing Dump	
Existing Stack New Stack Wasto Handling ~ Uso Of Minerats ~	Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss) sed Area ha) Height (m) From To From To	stal Dump Location
Image: Sustainable Mining V Image: Mine Closure Plan V Image: Financial Assurance V	•	
E Review ~		

5.9.2 New Dump:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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IBM ≡		Session time: 23 : 50	✓ ACC Limited Mine Owner
Mining Method V Existing Pits/Dumps V Opencast Mining V	Mining Operation(OC) 4A.7 Waste Management		
Material Handling	4A.7.2 New Dump		
Machine Calculation Machine Deployment Blasting Requirement	SI. No. Year Dump Id Type of Dump Proposed Area (ha) Height (m)	Latitude (dd:mm:ss.ss) From To	Longitude (dd: From
Waste Management	1select v		
New Dump Existing Stack New Stack	4		,
Waste Handling V Use Of Minerals V			

Indian Bureau of Mi	ines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)					BOVERNMENT OF MINES		IA		
IBM	=							Session time	: 19 : 33	, ACC Limited Mine Owner	Φ
Mining Method	✓ [↑]						(0.0)				
Existing Pits/Dumps	~				MIN	ing Operation	on(UC)				
Opencast Mining	~				4A.	7 Waste Mana	gement				
Material Handling	× _	4A.7.2 New	Dump								
Machine Calculation	~										
Machine Deployment	~			Latitude (do	Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss)						
Blasting Requirement	~	sed Area [ha)	Height (m)	From	То	From		Total Dump Quantity (m ³)	New Dump Location		
Man Power	×									×	
Waste Management	^										
Existing Dump										+ Add more	
New Dump		4								Þ	
Existing Stack											
New Stack											
Waste Handling	~	Previous	Save & Next	Print All Next	>						
Use Of Minerals											

5.9.3 Existing Stack:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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Digital India Power To Empower	ि राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		NISTRY OF MINES
IBM ≡		Session time: 23 : 53	→ ACC Limited Mine Owner
Mining Method	Mining Operation(OC) 4A.7 Waste Management 4A.7.3 Existing Stack		
Machine Calculation \checkmark Machine Deployment \checkmark Elasting Requirement \checkmark	SL. SL. Year Stack ID Type of Stack Proposed Area (ha) Height (m)	Latitude (dd:mm:ss.ss) From To	Longitude (dd: From
Man Power V Waste Management A Existing Dump	1select- v		•
New Dump Existing Stack New Stack	← Previous Save & Next Print All Next →		
Waste Handling V Use Of Minerals V			

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IBM ≡		Session time: 19:45 - ACC Limited Mine Owner					
Mining Method 🗸 📩	Mining Operation(OC)						
Existing Pits/Dumps 🗸 🗸	4A.7 Waste Management						
Opencast Mining 🗸	4A.7.3 Existing Stack						
Material Handling V							
Machine Calculation V	Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss)						
Machine Deployment V	sed Area	Total Stack Existing Stack					
Blasting Requirement 🗸							
Man Power 🗸							
Waste Management		+ Add more					
Existing Dump	Existing Dump						
New Dump	4	×					
Existing Stack							
New Stack	Province Sava & Novt Print All Mart						
Waste Handling 🗸 🗸							
Use Of Minerals 🗸							

5.9.4 New Stack:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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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BM							Session tir	me: 23 : 52	 ACC Limited Mine Owner
Material Handling Machine Calculation	× •				Mining Oper 4A.7 Waste M	ration(OC) lanagement			
Machine Deployment Blasting Requirement	~	4A.7.4 New Stac	k			-			
Man Power Waste Management	~ ^	SL.			Proposed Area		Latitude (dd:r	nm:ss.ss)	Longitude (dd:
Existing Dump New Dump		No. Year	- V	Type of Stack	(ha)	Height (m)	From	То	From
Existing Stack New Stack									
Waste Handling	~	٩							•

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 07 - ACC Limited Mine Owner
Material Handling Machine Calculation Machine Deployment	Mining Operation(OC) 4A.7 Waste Management	
Blasting Requirement V	4A.7.4 New Stack	
Waste Management	Latitude (dd:mm:ss.ss) Longitude (dd:mm:ss.ss) sed Area ha) Height (m) From To From To	Total Stack New Stack Quantity (m ²) Location
New Dump Existing Stack		
New Stack Waste Handling ~	4	
Use Of Minerals V		
 ▲ Mine Closure Plan ✓ ▲ Einancial Assurance ✓ 	Premos Save & Next Print All Next 7	

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 refer1.1.1 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.

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING I ENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM —	ACC I million
	Session time: 23:13 • Mana Owner • O
Man Power 🗸	
Waste Management 🗸 🗸	Mining Operation(OC)
Waste Handling	4A.8 Mineral Waste Handling To Utilize As Minor Mineral
Waste Handling	4A.8 Mineral Waste Handling To Utilize As Minor Mineral
Use Of Minerals 🗸 🗸	
🖹 Sustainable Mining 🗸	Year Dumo Id Type of Dumo Proposed Area Countify Countity Marme Of Minor Waste Infrazion (ha) Handlef (f) Recovered (f) Marme Of Minor Infrazion
🗎 Mine Closure Plan 🗸	
🚔 Financial Assurance 🗸	
🖹 Review 🗸	●2Ad0
🚔 Annexures 🗸 🗸	•
Plates(Oc)	
Payment V	◆ Previous Save & Next Print All Next ◆

5.11 Use Of Minerals:

5.11.1 Use of Minerals:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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 M	lines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	
IBM	=	Session time: 23 : 50 < ACC Limited Mine Owner	•
Mining Method	✓		
Existing Pits/Dumps	~	Mining Operation(OC)	
Opencast Mining	~	4A.9 Use Of Minerals	
Material Handling	\sim	4A.9 Use of Minerals	
Machine Calculation	×		
Machine Deployment	~	SL Relevant Use Of Mineral Name of Mineral Relevant Use Of Physical Specifications Specifications	
Blasting Requirement	×		
Man Power	~	1select ·-select · ·	
Waste Management	~		
Waste Handling	\sim		
Use Of Minerals	~		
Use Of Minerals			
Sustainable Mining	~		
Mine Closure Plan	~		
Financial Assurance	× .	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.	



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)	COVERNMENT OF MINES
IBM =		Session time: 08 : 56 · ACC Limited • Mine Owner •
Image: Book of the second	Sustainable Mining 5.1 SDF Implementations	
Sustainable Mining A	5.1 Sustainable Mining and SDF Implementations in Compliance of Rule 35 of MCDR'2017	
SDF Implementations A		
CSR Initiatives V Rehabilitation Of PAP V		
Mine Closure Plan	(Total 2000 characters) Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace	
Review V	Not Implemented	~
Annexures V		
Plates(Oc) ∨ Image: Payment ∨	← Previous Save & Next Print All Next →	



• 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

Indian Bureau of Mines	Mining Plan Approval System (MP)	AS)
IBM ≡		Session time: 23 : 44 ~ ACC Limited Mine Owner
DASHBOARD	Sustainable M	Aining
General Information	5.2 CSR Initiati	tives
Geology(Oc)	.2.1: 2020-2021	
Mineral Beneficiation 🗸	Potalla of Work Dranaaad during the Veer I	
Mining Operations(Oc) V	Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
Sustainable Mining	5.2.1.1 Area to be Developed	ed for Recreation
SDF Implementations	Pied (18)	
CSR Initiatives	5.2.1.2 Area for Water Storage 8	& Recharge Facility
Year 1	Area (Ha)	Area (Ha)
Year 2		
Year 3	5.2.1.3 Efforts Made towards Housin	ng for Local Communities
Rehabilitation Of PAP V		Number of Houses
Mine Closure Plan 🗸	5.2.4.4 Effects Made towards Providing Tr	
Indian Pursau of Mines	MINING TENEMENT SYSTE	
Indian Bureau of Mines	MINING TENEMENT SYSTE Mining Plan Approval System (MP	EM PAS) Encigan time: 22 - 57
Indian Bureau of Mines	MINING TENEMENT SYSTE Mining Plan Approval System (MP	EM PAS) Session time: 22 : 57 ACC Limited Ministry OF Ministry
Indian Bureau of Mines BM = DASHBOARD	MINING TENEMENT SYSTE Mining Plan Approval System (MP	EM PAS) Session time: 22 : 57 ACC Limited Number of Beneficiaries
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Indian Bureau of Mines BM DASHBOARD General Information General Information Geology(Oc)	Number of Beneficiaries S.2.1.3 Efforts Made towards Providing He Number of Beneficiaries S.2.1.5 Efforts Made towards Providing He Number of Beneficiaries	EM EAS EXAMPLE A EXAMPLE EXAM
Indian Bureau of Mines BM DASHBOARD General Information Geology(Oc) Mineral Beneficiation	Number of Beneficiaries S.2.1.2 Efforts Made towards Providing He Number of Beneficiaries	EM PAS) Session time: 22:57 ~ ACC Limited Mumber of Beneficiaries Number of Beneficiaries Number of Beneficiaries
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Power To Empower	ि राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡		Session time: 22 : 31
DASHBOARD	Number of Beneficiaries	
General Information		
Ê Geology(Oc) ✓	5.2.1.12 Awareness Program among Mine We	orkers for Swatchata
Mineral Beneficiation	Number of Swatchata Programmes proposed:	Number of Swatchata Programmes Held:
Mining Operations(Oc)	5.2.1.13 Efforts for green en	ergy
Sustainable Mining	Total energy consumption (KWh)	Green energy consumption (% of total)
SDF Implementations V		
CSR Initiatives	5.2.1.14 Water & recycled L	Water recycled (% of total)
Year 1		Water recycled (// or rotal)
Year 2		
Year 3		
Year 4		
Rehabilitation Of PAP		

7.2.2 Year 2:

- Enter data as per requirement.
- If section is already saved then Update will show instead of Save & Next button.
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💩 Indian Bureau of Mines	MINING TENEMENT SYS Mining Plan Approval System	(MPAS)
IBM ≡	-	Session time: 23 : 51 ~ ACC Limited Mine Owner o
DASHBOARD General Information	Sustainab 5.2 CSR I	le Mining nitiatives
Image: Geology(Oc) ∨ Image: Geology(Oc) ∨ Image: Geology(Oc) ∨ Image: Geology(Oc) ∨	5.2.2 : 2021-2022 Details of Work Proposed during the Year /	
Mining Operations(Oc) ∨	Measures Planned for the Affected Segment 5.2.2.1 Area to be Deve	Cumulative Work done / Measures Taken eloped for Recreation
SDF Implementations	Area (Ha)	Area (Ha)
CSR Initiatives	5.2.2.2 Area for Water Sto	rage & Recharge Facility
Year 1 Year 2	Area (Ha)	Area (Ha)
Year 3	5.2.2.3 Efforts Made towards H	ousing for Local Communities
Year 4 Rehabilitation Of PAP	Number of Houses	Number of Houses
🗎 Mine Closure Plan 🗸	5 2 2 / Efforte Made towarde Providi	na Transport to Local Communities

Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INC
IBM ≡		Session time: 23 : 11
DASHBOARD	Number of Beneficiaries	Number of Beneficiaries
General Information 🗸	5.2.2.6 Efforts Made towards Providing Hygiene & Sanita	tion to Local Communities
Geology(Oc) 🗸	Number of Beneficiaries	Number of Beneficiaries
Mineral Beneficiation 🗸		
Mining Operations(Oc) V	5.2.2.7 Efforts Made towards Skill Development Program	hs to Local Communities
Sustainable Mining 🔨		Number of Beneficianes
SDF Implementations	5.2.2.8 Efforts Made to Promote Education & Knowle	dge Based Initiatives
CSR Initiatives	Number of Beneficiaries	Number of Beneficiaries
Year 1		
Year 2	5.2.2.9 Communication Facilities Provided to Lo	Cal Communities
Year 3		Hamber of Benerickanes
Voor 4		
Year 4 Rehabilitation Of PAP V	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom	c Standard of Local Communities
Year 4 Rehabilitation Of PAP Mine Closure Plan	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries	ic Standard of Local Communities Number of Beneficiaries
Year 4 Rehabilitation Of PAP Mine Closure Plan Indian Bureau of Mines BM	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	C Standard of Local Communities Number of Beneficiaries Number of Beneficiaries NINISTRY OF MINE GOVERNMENT OF INC Session time: 22:53 ACC Limited
Vear 4 Rehabilitation Of PAP Mine Closure Plan indian Bureau of Mines BM	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	ic Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22 : 53
Vear 4 Rehabilitation Of PAP Mine Closure Plan indian Bureau of Mines BM CASHBOARD General Information	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) Number of Beneficiaries	ic Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22:53
Voar 4 Rehabilitation Of PAP Mine Closure Plan M	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) Number of Beneficiaries 5.2.2.12 Awareness Program among Mine Worke	ic Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22 : 53 ACC Limited Mane Courser ars for Swatchata
Year 4 Rehabilitation Of PAP Mine Closure Plan	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) Number of Beneficiaries 5.2.2.12 Awareness Program among Mine Worke Number of Swatchata Programmes proposed:	IC Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF INC Session time: 22:53
Year 4 Rehabilitation Of PAP Mine Closure Plan Indian Bureau of Mines BM © CASHBOARD General Information Geology(Oc) Mineral Beneficiation Mineral Beneficiation	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) Number of Beneficiaries 5.2.2.12 Awareness Program among Mine Worke Number of Swatchata Programmes proposed:	IC Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22:53 ACC Limited Mane Conner rs for Swatchata Number of Swatchata Programmes Held:
Year 4 Rehabilitation Of PAP Mine Closure Plan Indian Bureau of Mines BM DASHBOARD General Information Geology(Oc) Mineral Beneficiation Mining Operations(Oc) Sustainable Mining	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS) Number of Beneficiaries 5.2.2.12 Awareness Program among Mine Worke Number of Swatchata Programmes proposed 5.2.2.13 Efforts for green energy Total energy consumption (KVM)	ic Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22 : 53 ACC Limited Mane Owner rrs for Swatchata Number of Swatchata Green energy consumption (% of total)
Year 4 Rehabilitation Of PAP Mine Closure Plan Indian Bureau of Mines BM DASHBOARD General Information Geology(Oc) Mineral Beneticiation Mineral Beneticiation Mineral Beneticiation Sustainable Mining Obsciences Stratinable Mining Obsciences		ic Standard of Local Communities Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22 : 53 ACC Limited Mane Owner ors for Swatchata Number of Swatchata Programmes Held: Green energy consumption (% of total)
Ver 4 Rehabilitation Of PAP Mine Closure Plan Indian Bureau of Mines BM DASHBOARD General Information Geology(Oc) Mineral Beneficiation Sustainable Mining SDF implementations CSR httidfives SN SN SN SN SN SN SN SN	5.2.2.10 Any Other Steps Taken for Improving the Socio-Econom Number of Beneficiaries	ic Standard of Local Communities Number of Beneficiaries Number of Beneficiaries MINISTRY OF MINE GOVERNMENT OF IND Session time: 22:53 ~ ACC Limited Mare Owner rs for Swatchata Number of Swatchata Number of Swatchata Number of Swatchata

7.2.3 Year 3:

- Enter data as per requirement.
- If section is already saved then Update will show instead of Save & Next button.
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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
C DASHBOARD	Sustainable Mining	
General Information	5.2 CSR Initiatives	
Image: Mineral Beneficiation V	2.3 : 2022-2023	
Mining Operations(Oc) V	Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
SDE Implementations	5.2.3.1 Area to be Developed for R	Area (Ha)
CSR Initiatives	5.2.3.2 Area for Water Storage & Rech	parce Facility
Year 1	Area (Ha)	Area (Ha)
Year 3	5.2.3.3 Efforts Made towards Housing for L	ocal Communities
Year 4	Number of Houses	Number of Houses
[≜] Mine Closure Plan ✓	5.2.3.4 Efforts Made towards Providing Transpor	t to Local Communities
🧕 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOUCH STRY OF MINES
IBM =	Nomber of Centricutes	Session time: 19:41 - ACC Limited Mine Owner of
DASHBOARD		
Geology(Oc)	Number of Beneficiaries	Number of Beneficiaries
Mineral Beneficiation V	5.2.3.8 Efforts Made to Promote Education & Kn	owledge Based Initiatives
 ☐ Mining Operations(Oc) ∨ ☐ Sustainable Mining ∧ 	Number of Beneficiaries	Number of Beneficiaries
SDF Implementations	5.2.3.9 Communication Facilities Provided t	o Local Communities
CSR Initiatives		
Year 2	5.2.3.10 Any Other Steps Taken for Improving the Socio-Econ Number of Beneficiaries	nomic Standard of Local Communities Number of Beneficiaries
Year 4	5.2.3.11 Adoption of QD	F
Rehabilitation Of PAP ✓	Number of Toilets Built inside the Lease Area:	Number of Toilets Built outside the Lease Area:
📩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	COVERNMENT OF INDIA
IBM =		Session time: 19 : 10 - ACC Limited Mine Owner
C DASHBOARD	Number of Beneficiaries	
Geology(Oc)	5.2.3.12 Awareness Program among Mine W Number of Swatchata Programmes proposed:	orkers for Swatchata Number of Swatchata Programmes Held:
 ■ Mineral Beneficiation ■ Mining Operations(Oc) 	5.2.3.13 Efforts for green en	ergy
SUSTEMPLEMENTATIONS	Total energy consumption (KWh)	Green energy consumption (% of total)
CSR Initiatives	5.2.3.14 Water & recycled t	USE Water recycled (% of total)
Year 1 Year 2 Year 3		
Year A Rehabilitation Of PAP → → Mine Closure Plan	← Pravious Save & Next Print All Next →	

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	S)
BM =		Session time: 23 : 46
DASHBOARD	Sustainable Mir	bing
General Information V	5.2 CSR Initiative	es
Geology(Oc) V	5.2.4 : 2023-2024	
Mineral Beneficiation V	Dataile of Work Despaced during the Year I	
Mining Operations(Oc) V	Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
Sustainable Mining 🔨	5.2.4.1 Area to be Developed 1 Area (Ha)	Area (Ha)
SDF Implementations V		
CSR Initiatives	5.2.4.2 Area for Water Storage &	Recharge Facility
Year 1 Year 2	Area (Ha)	Area (Ha)
Year 3	5.2.4.3 Efforte Made towarde Housing	for Local Communities
Year 4	Number of Houses	Number of Houses
Rehabilitation Of PAP		
Mine Closure Plan	E 2 4 4 Efforts Made to Mail to Draviding Tran	anart to Local Communities
	MINING TENEMENT SYSTEM	
Indian Bureau of Mines	Mining Plan Approval System (MPAS	S) GOVERNMENT OF INDIA
BM =		Session time: 23 10 VACC Limited
	Number of Benenetaneo	Hamber of Dentendries Mine Owner
DASHBOARD		
General Information	5.2.4.7 Efforts Made towards Skill Development	Programs to Local Communities
Geology(Oc)		
	5.2.4.8 Efforts Made to Promote Education &	Knowledge Based Initiatives
Sustainable Mining	Number of Beneficiaries	Number of Beneficiaries
	5.2.4.9 Communication Facilities Provide	ed to Local Communities
CSR Initiatives	Number of Beneficiaries	Number of Beneficiaries
Year 1		
Year 2	5.2.4.10 Any Other Steps Taken for Improving the Socio-E Number of Beneficiaries	Economic Standard of Local Communities Number of Beneficiaries
Year 3		
Rehabilitation Of PAP	5.2.4.11 Adoption of	ODF
Mine Closure Plan 🗸	Number of Toilets Built inside the Lease Area:	Number of Toilets Built outside the Lease Area:
Indian Bureau of Mines	MINING LENEMENT SYSTEM	
indian Dureau of Mines	withing Flatt Approval System (WFAC	GOVERNMENT OF INDIA
BM =		Session time: 22:45 - ACC Limited
*		Willie Owner
DASHBOARD	Number of Beneficiaries	
General Information V		Western for Ourstelling
Geology(Oc)	5.2.4.12 Awareness Program among wine Number of Swatchata Programmes proposed:	Number of Swatchata Programmes Held:
] Mineral Beneficiation 🗸		
Mining Operations(Oc) ~	5.2.4.13 Efforts for green	
		energy
Sustainable Mining	Total energy consumption (KWh)	Green energy consumption (% of total)
Sustainable Mining A	Total energy consumption (KWh)	Green energy consumption (% of total)
Sustainable Mining A SDF Implementations V CSR Initiatives A	Total energy consumption (KWh) 5.2.4.14 Water & recycle	Green energy consumption (% of total)
Sustainable Mining A SDF Implementations V CSR Initiatives A Year 1	Total energy consumption (KWh) 5.2.4.14 Water & recycle Total water consumption (KLD)	Green energy Consumption (% of total) ed use Water recycled (% of total)

Print All



7.3Rehabilitation 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

Indian Bureau of Mines	MINING TENEM Mining Plan Appr	ENT SYS ⁻ oval System (N	TEM MPAS)		GOVERNMENT OF INI
IBM =				Session time: 2	2:58 ~ ACC Limited Mine Owner
🟠 DASHBOARD	5.3 Rehabilitation & Resettlement Of Affected Pe	rsons			
General Information	Particular	2020-2021	2021-2022	2022-2023	2023-2024
Mineral Beneficiation	Proposed Number of Project Affected Persons(PAP)				
Mining Operations(Oc) V	Proposed Number of Person for Alternate Arrangement for Sustainable Livelihood				
Sustainable Mining	Proposed Number of Person for Skill Training				
SDF Implementations	Proposed Number of Person Likely to get Direct Employment				
CSR Initiatives Rehabilitation Of PAP	Proposed Number of Person Likely to get Indirect Employment				
Rehabilitation Of PAP	Proposed Project Affected Families Skilled and Absorbed				
Mine Closure Plan V	Proposed Number of Project Affected Families				
Financial Assurance					



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.
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Digital India Power To Empower	ि राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre MINING TENEMENT SYSTEM	
Indian Bureau of Mines	Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 51 · ACC Limited •
The second secon	Progressive Mine Closur	e Plan
☐ General Information ∨	6.1 Status Of Land	
Geology(Oc)	6.1 Status of Land	
Image: Second state Image: Second state Image: Second state Image: Second state </th <th>Total Area Degraded</th> <th>Total Mined Out Area Reclaimed & Rehabilitated</th>	Total Area Degraded	Total Mined Out Area Reclaimed & Rehabilitated
Sustainable Mining V	Area Under Area Under Area Under Area Under Stack Yards (in Mined Out Area	Mined Out Area Mined Out Area Area Under Reclaimed but Fully Water Reservoir Stal not Rehabilitated considered Was Rehabilitated (in from Reclaimed Rehabilitated (in Rehab
Status Of Land	Uperation in the Lease Dumps (in nect) (in nect) nect)	nect) Area (in nect) nect) r
Status Of Land	4	•
Reclamation Plan		
Pisciculture ~		
Recreational Facility V		

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES	
IBM ≡	Session time: 22:31 v ACC	Limited Owner	
☆ DASHBOARD 會 General Information →	Progressive Mine Closure Plan 6.1 Status Of Land		
Geology(Oc)	6.1 Status of Land		
Image: Contract of the second sec	a Degraded Total Mined Out Area Reclaimed & Rehabilitated Cher Areas Reclaimed & Rehabilitated		
Sustainable Mining	Mined Out Area Mined Out Area Area Under Stabilitzed Mined Out Area Under Under Area Under Fully Water Reservoir Stabilitzed Fully Under Utitty Services Stack Yards (in hect) Rehabilitated (in from Reclaimed Rehabilitated (in hect) Henabilitated (in hect) Henabilitated (in hect) Henabilitated (in hect)		
Status Of Land		×	
Reclamation Plan V Use Of Shallow Pits V Pisciculture V			
Recreational Facility V		•	

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 refer1.1.1Initial 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)	COVERNMENT OF MINE
IBM =		Session time: 23 : 18 - ACC Limited Mine Owner
	Progressive wine Closure Pr	an
1 DASHBOARD	6.2 Progressive Reclamation And Rehabilit	ation Plan
General Information	6.2.1 Backfilling	
Geology(Oc) 🗸		
Mineral Beneficiation 🗸	Quantity of Waste / Fill Material Available at Availability of Top Soil for Spreading (m ³) Site (m ³)	Proposed Spread Area (m ²)
Mining Operations(Oc) V		
Sustainable Mining	6 2 1 1 Year Wise Proposal	
	Sr Sr	Estimated Expenditure
Mine Closure Plan	No. Year Pit ID Area (m ²) Top RL	Bottom RL (₹INŘ)
Status Of Land	1select V	
Reclamation Plan		+ Add more
Backfilling		
Water Reservoir		

8.2.2Water 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.

Indian Bureau of Mines	MIN	MINISTRY OF MINES GOVERNMENT OF INDIA			
IBM =				Session time: 23 : 14 ~ ACC Limited Mine Owner	
MashBoard ▲ Image: Seneral Information ✓		Progressive I 6.2 Progressive Reclam	Vine Closure Plan	on Plan	
Geology(Oc)	6.2.2 Water Reservoir				
Mineral Beneficiation 🗸	Average Rainfall of The A	Area (mm) Proposed Area unde	r Water Storage		
Mining Operations(Oc) V					
] Sustainable Mining \sim	6.2.2.1 Preparations Fo	r Ground Water Recharging			
Mine Closure Plan	6.2.2.1.1 Drilling Hole	15	6.2.2.1.2 Preparatio	n of Course Gravel Bed	
Status Of Land 🗸	Drilling Holes	Proposed no of Holes to be Drilled	Drilling Holes	Proposed Area of Bed (LxW)	
Reclamation Plan	2020-2021		2020-2021		
Backfilling	2021-2022		2021-2022		
Water Reservoir	2022-2023		2022-2023		
Green Belt Developmen	2023-2024		2023-2024		
Dissionition					

Indian Bureau of Wilnes		MINING TENE Mining Plan A	MENT SYS	STEM (MPAS)		BOVERNMENT OF IN
IBM ≡					Sessio	n time: 22 : 26 - ACC Limiter Mine Owner
🟠 DASHBOARD	Please specify, if	others				
General Information V						
Geology(Oc)						
Mineral Beneficiation V						
Mining Operations(Oc) V	6.2.2.2 Protective 6.2.2.2.1 Fencir) measures (Please specify r ng	unning meter)	6.2.2.2.2 Re	etaining Wall	
Sustainable Mining	Propos	-	Longitude	Pr		Longitude
Status Of Land	Year Length	g m) From To	From To	Year	(m) From	To From To
Reclamation Plan	2020- 2021			2020- 2021		
Backfilling	2021- 2022			2021- 2022		
Water Reservoir	2022- 2023			2022- 2023		
Use Of Shallow Pits V	2023-			2023-		
Pisciculture						
	ľ	MINING TENE	MENT SYS	STEM		
Indian Bureau of Mines		Mining Plan Ap	oproval System ((MPAS)		GOVERNMENT OF IN
					Sessior	time: 22 : 01 · ACC Limited Mine Owner
ІВМ =	2022- 2023			2022- 2023		
IBM ≡				2023- 2024		
IBM =	2023- 2024					
DASHBOARD Image: Constraint of the second	2023- 2024 6.2.2.3 Garlan	d Drains				
DASHBOARD General Information Geology(Oc) Mineral Beneficiation Mineral Beneficiation	2023- 2024 6.2.2.2.3 Garlan Propose Bund Len	d Drains	Longitude (dd:mm:ss.ss)			
BM BASHBOARD Constraints General Information General Information Constraints Geology(Oc) Constraints Mineral Beneficiation Constraints Mining Operations(Oc) Sustainable Mining Constraints	2023- 2024 6.2.2.2.3 Garlan Propose Year (m) 2020-	d Drains d Latitude (dd:mm:ss.ss) gth From To	Longitude (dd:mm:ss.ss) From To			

<u>8.2.3Green Belt Development:</u>

Use Of Shallow Pits

- 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		N N	lining Plan App	roval System (MP	zivi AS)		AINISTRY OF N SOVERNMENT OF
IBM ≡					Si	ession time: 22 : 40) - ACC Lim Mine Own
A DASHBOARD			Pr	ogressive Mine C	losure Plan		
General Information V	6 2 3 Gre	en Belt Developm	6.2 Progre	essive Reclamation Ar	nd Rehabilitation Pla	n	
Geology(Oc)							
☐ Mineral Beneficiation ∨ ☐ Mining Operations(Oc) ∨	6.2.3.1	Cumulative work	done (upto end of pre	evious block of five years)			
Sustainable Mining V	Sr No.		re incurred up to Last ear (INR)	Area Covered (Ha)	Number of Plants	Survival Rate	(%)
☐ Mine Closure Plan ∧	1						*
Status Of Land 🗸	6.2.3.2 Sr	2 Year Wise Propo	sal Area P	Proposed to be Numbe	r of Plants Expected S	Survival Rate Estimate	ed Expenditure
Reclamation Plan	No	Year Green Bo	elt Location (s) Co	overed (Ha) Pro	posed : (%) (₹INŘ)
Water Reservoir	1	2021					
Green Belt Development	2	2022					
Disciculture	5	2023					
Indian Bureau of Mines		MINI	NG TENEN	IENT SYSTE	E M AS)		
IBM =					Se	ession time: 22 : 12	ACC Limi Mine Owne
A DASHBOARD		2021					
General Information V	2	2021- 2022					
Geology(Oc)	3	2022- 2023					
Mineral Beneficiation V	4	2023- 2024					
Sustainable Mining V							

8.3 Use of Shallow Pits:

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



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

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)						
IBM ≡		Session time: 21:54 - ACC Limited					
DASHBOARD General Information Cology(Oc) C	Progressive Mine Closure Plan 6.2.4 Use Of Shallow Pit 6.2.4.1 Cumulative work done (upto end of previous block of five years)						
Mineral Beneficiation Mining Operations(Oc)	Sr Pit ID Work Done Area Covered (m²) T 1	otal Expenditure Incurred (up to last five year Nock) (₹INR) ★Add more					
Reclamation Plan V Use Of Shallow Pits V Use Of Shallow Pits V Year Wise Proposal V Pisciculture V	◆Previous Savo & Next Print All Next ◆						

8.3.2Year Wise Proposal:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA		
IBM ≡	Session time: 23:52	✓ ACC Limited Mine Owner		
DASHBOARD General Information	Progressive Mine Closure Plan 6.2.4 Use Of Shallow Pit			
Image: Constraint of the second se	6.2.4.2 Year Wise Proposal	Latitude (dd:m		
Image: Substainable Mining ✓ Image: Substainable Mining ✓ Image: Substainable Mining ✓	Sr No Year Pit ID Total Area (Ha) Area Proposed for Crops (Ha) Suitable Crops Area Proposed for Grass (Ha) Total Proposed Expenditure (₹INR) 1 select ✓	From		
Status Of Land V Reclamation Plan V	4	+		
Use Of Shallow Pits Use Of Shallow Pits Year Wise Proposal Pisciculture	← Previous Save & Next Print All Next.→			

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💑 Indian Bureau of Mines	MINING TENE Mining Plan A	EMENT pproval Sy	SYSTE	M s)			TRY OF MINES
IBM ≡					Session time	: 22 : 54	✓ ACC Limited Mine Owner
🟠 DASHBOARD		Progress	sive Mine C	losure Plan			
General Information ∨		6.2.	4 Use Of Sha	llow Pit			
Geology(Oc) ✓	6.2.4.2 Year Wise Proposal						
☐ Mineral Beneficiation ∨		Latitude (do	l:mm:ss.ss)	Longitude (o	ld:mm:ss.ss)		
☐ Mining Operations(Oc) ✓	Area Proposed Area Proposed De Crops for Grass (Ha) (₹INR)	From	, To	From	То	Remarks	
Sustainable Mining V							
Mine Closure Plan							
Status Of Land 🗸						+ Add more	
Reclamation Plan V	4						•
Use Of Shallow Pits							
Use Of Shallow Pits							
Year Wise Proposal	Previous Save & Next Print All Next						

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 refer1.1.1 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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🗮 National Informatics Centre | | |
|--|---|-----------------------|-----------------------------|
| 🧕 Indian Bureau of Mines | MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS) | | STRY OF MINES |
| IBM ≡ | | Session time: 23 : 54 | ✓ ACC Limited
Mine Owner |
| DASHBOARD | Progressive Mine Closure Plan | | |
| General Information V | 6.2.5 Pisciculture | | |
| Geology(Oc) | 6.2.5.1 Total Expenditure incurred as on Date (INR) | | |
| ☐ Mineral Beneficiation ∨ | | | |
| Mining Operations(Oc) V | | | |
| Sustainable Mining 🗸 | 6.2.5.2 Cumulative work done as on Date | | |
| Mine Closure Plan | Sr No Pit ID Area (m²) | Expenditure (₹ INR) | |
| Status Of Land V | | | |
| Reclamation Plan 🗸 | | | + Add more |
| Use Of Shallow Pits 🗸 🗸 | | | |
| Pisciculture | | | |
| Expenditure Incurred
Year Wise Proposal | ← Previous Save & Next Print All Next → | | |

<u>8.4.2 Year Wise Proposal:</u>

- 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)	BOVERNMENT OF MINES
IBM ≡		Session time: 23 : 50 - ACC Limited Mine Owner
C DASHBOARD C C C C C C C C C C C C C C C C C C C	Progressive Mine Closure Pla 6.2.5 Pisciculture	an
Mineral Beneficiation Mining Operations(Oc)	6 2 5 3 Year Wise Proposal Sr No Year Pit ID Area (m²)	Expenditure (₹ INR)
Image: Sustainable Mining ✓ Image: Sustainable Mining ✓ Image: Sustainable Mining ✓ Image: Mine Closure Plan ∧	1select V	Add more
Status Of Land	6.2.5.4 : Source of Water for Pisciculture 6.2.5.5 : Whether the suitable for Pisc	e quality of water has been assessed & found to sculture
Rectamation Plan V Use Of Shallow Pits V Pisciculture	Yes	~
Expenditure Incurred Year Wise Proposal		

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 refer1.1.1 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 •
Sustainable Mining Mine Closure Plan	Progressive Mine Closure Plan 6.2.6 Recreational Facility	
Status Of Land ~ Reclamation Plan ~ Use Of Shallow Pits ~ Pisciculture ~	6.2.6.1 Total Expenditure Incurred (up to last five year block) (INR) 6.2.6.2 Cumulative work done as on Date	
Recreational Facility Expenditure Incurred Year Wise Proposal Dump Area Stabilization ~	Sr No Pit ID Area (m²) 1	Expenditure (₹ INR)
Reclaiming The Area V Topsoil Management V Land Use V		

<u>8.5.2 Year Wise Proposal:</u>

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

Bureau of Mines				TENEME Plan Appro	ENT SY val System	STEM (MPAS)			GOVERNMENT OF
							Ses	sion time: 23	: 47 ~ ACC Lir Mine Ow
inable Mining 🗸 🔺	_			Ριοί	gressive ivi	ine Ciosure	e Pian		
Classies Dias					6.2.6 Recre	ational Facility	У		
	6.2.6.3	3 Year V	Vise Proposal						
Of Land V									
ation Plan 🗸					Latitude (d	d:mm:ss.ss)	Longitude (d	ld:mm:ss.ss)	
Shallow Pits 🗸 🗸	Sr No	Year	Type of Recreational Facility	Area Covered (Ha)	From	То	From	То	Estimated Expenditure (INR)
ure 🗸		2020-				<u></u>			
nal Facility	1	2021						L	
enditure Incurred	2	2021- 2022							
r Wise Proposal	3	2022- 2023							
ng The Area 🗸	4	2023- 2024							
Management 🗸									
nagement 🗸									



8.6. Dump Area Stabilization:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)
IBM ≡	Session time: 20 : 36 · ACC Limited Mine Owner •
Sustainable Mining Mine Closure Plan	Progressive Mine Closure Plan 6.2.7 Dump Area Stabilization & Development
Reclamation Plan	6.2.7 Dump Area Stabilization & Development
Use Of Shallow Pits V Pisciculture V Recreational Facility V	Sr Dump ID No of Terraces Average Height of Terraces (m) Length of Toe Length of Garland Drain (m) Area Stabilized (Ha) Method of Stabilization
Dump Area Stabilization A	1select v
Reclaiming The Area \checkmark Topsoil Management \checkmark	۲
Dam Management	A Diminue Study 2 Mark Dirich R Mark A
Einancial Assurance	

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM ≡	Session time: 19:34 v ACC Limited of Mine Owner
🖹 Sustainable Mining 🗸 着	
Mine Closure Plan	Progressive Mine Closure Plan 6.2.7 Dump Area Stabilization & Development
Status Of Land V	6.2.7 Dumo Area Stabilization & Davelopment
Reclamation Plan 🗸	
Use Of Shallow Pits 🛛 🗸	Length of Estimated
Pisciculture V	Average Height Length of Toe Garland Drain Area Stabilized Method of Expenditure No of Check Terraces of Terraces (m) Well (m) (m) (fia) Stabilization (? \$1NR) Dams
Recreational Facility 🗸	
Dump Area Stabilization	
Dump Area Stabilization	+ Add more
Reclaiming The Area 🗸 🗸	•
Topsoil Management 🗸 🗸	
Dam Management 🗸 🗸	
Land Use 🗸 🗸	← Previous Save & Noxt Print All Next →
Financial Assurance V	

8.7. Reclaiming the Area:

• Reclaiming the Area consists of 2 sections.



• Cumulative Work & Year Wise Proposal.

8.7.1 Cumulative work done as on Date:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)		GOVERNMENT OF INDIA			
IBM ≡		Session time	23 : 45	 ACC Limited Mine Owner 	Φ	
Image: Substainable Mining ✓ Image: Substainable Mining ✓ <t< th=""><th>Progressive Mine Closure Plan 6.2.8 Other Form Of Reclaiming The Area</th><th></th><th></th><th></th><th></th></t<>	Progressive Mine Closure Plan 6.2.8 Other Form Of Reclaiming The Area					
Status Of Land V Reclamation Plan V	6.2.8.1 Cumulative work done as on Date	Work Done				
Use Of Shallow Pits V Pisciculture V	Si No Total Experiorutire incurren as on Dare (€ INK) 1	WOLK DOIle		×		
Dump Area Stabilization V Reclaiming The Area A				+ Add more		
Cumulative Work Year Wise Proposal Topseli Management	←Previous Save & Next Print All Next →					
Dam Management V Land Use V	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Govern	rnment of India.				

8.7.2 Year Wise Proposal:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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.

Digital India	राष्ट्रीय Nation	सूचना विज्ञान केंद्र al Informatics MINING	Centre	
Indian Bureau of Mines		Minin	ng Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡				Session time: 23:53 ~ ACC Limited Mine Owner
DASHBOARD General Information Geology(Oc)	6.2.8.2 Year	Wise Proposal	Progressive Mine Closure 6.2.8 Other Form Of Reclaiming T	Plan 'he Area
Mineral Beneficiation V	Sr No	Year	Work Proposals	Estimated Expenditure (INR)
Mining Operations(Oc) V	1	2020-2021		
Sustainable winning Sustainable winning Mine Closure Plan	2	2021-2022		
Status Of Land	3	2022-2023		
Reclamation Plan 🗸	4	2022-2024		
Use Of Shallow Pits V Pisciculture V	4	2025-2024		
Recreational Facility 🗸				
Dump Area Stabilization ~	← Previous	Save & Next Print	t All Next→	
Reclaiming The Area				

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 refer1.1.1 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)	GOVERNMENT OF MINES			
IBM =	Session t	ime: 23 : 26 ~ ACC Limited Mine Owner 🗢			
Reclamation Plan V Use Of Shallow Pits V Pisciculture V	Progressive Mine Closure Plan 6.2.9 Topsoll Management				
Recreational Facility Dump Area Stabilization Reclaiming The Area Topsoil Management Cummulative Work	SL No. Top Soil Generated (m ³) Top Soil Utilized (m ³) Topsoil Stored (m ³) 1	diture incurred as on Date (*)			
Year Wise Proposal Dam Management Land Use E Financial Assurance E Review					
Annexures V	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India				

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.

Digital India Power To Empower	राष्ट्रीय Nation	सूचना विज्ञान केंद्र al Informatics Centre			
Indian Bureau of Mines		MINING TEN Mining Plan	EMENT SYST	EM PAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =				Session	time: 23 : 55 · ACC Limited Mine Owner
DASHBOARD			Progressive Mine (6.2.9 Topsoil Mar	Closure Plan	
Geology(Oc)	6.2.9.2 Year	Wise Proposal			
Mineral Beneficiation V	Year	Topsoil Generated (m²) (A)	Topsoil Utilized (m²) (B)	Topsoil Stored (m²) (A-B)	Estimated Expenditure (INR)
Mining Operations(Oc) V	2020-2021				
Sustainable Mining V	2021-2022				
Mine Closure Plan	2022-2023				
Reclamation Plan V	2023-2024				
Use Of Shallow Pits 🗸 🗸					
Pisciculture V					
Dump Area Stabilization V	← Previous	Save & Next Print All Nex	→		
Reclaiming The Area V					

8.9. Dam Management:

8.9.1Tailing 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.

💑 Indian Bureau of M	lines			NG TEN 1ining Plan /	EMENT S	YSTEM em (MPAS)			BOVERNMENT OF I	NES INDIA
IBM	=						Sessi	on time: 2	3:41 ~ ACC Limite Mine Owner	ed O
Reclamation Plan Use Of Shallow Pits	× 1 ×				Progressive 6.2.10 Tailing	Mine Closur	re Plan ement			
Pisciculture Recreational Facility	~	6.2.10 Ta	ilings Dam Manag	gement						4
Dump Area Stabilization Reclaiming The Area		Year	Yearly generation of Tailing (m ^a) (A)	Total capacity of Tailing Pond (m ^a)	Measures Proposed for Periodic Desilting	Yearly Utilization of Tailing (m ^a) (B)	Disposal of Tailing to Tailing Pond (m*) (A-B)	Tailing Dam Design	Structural Stability Studies	
Topsoil Management Dam Management	~	2020- 2021 2021-						Plea V	Choose File N	
Dam Management		2022 2022- 2023						Plea V	Choose File N	
Financial Assurance	~	2023- 2024						Plea v	Choose File N	
Annexures										
Plates(Oc)	~	+ Previous	Save & Next	Print All Next	*					

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.

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🤹 Indian Bureau of Mines	MINING TENEMENT S Mining Plan Approval Syste	YSTEM em (MPAS)	2 N	MINISTRY OF MINES
IBM ≡			Session time: 23 : 43	ACC Limited Mine Owner
Reclamation Plan V Use Of Shallow Pits V	Progressiv 6.2.11 Land Use Of Leas	e Mine Closure Area At The Expi	Plan ry Of Lease Period	
Pisciculture V Recreational Facility V	6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period			
Dump Area Stabilization V Reclaiming The Area V	Total Area Degraded	Non Degraded Area	Total Mined Out Area Reclaimed & Mined Out Area Mined Out Area	Rehabilitated Area Under
Dam Management	Mined Out Area in the Lease Dumps (in hect) Area Under the Dumps (in hect) Area Under (in hect)	es Area Undisturbed/Virgin	Rehabilitated (in hect) Rehabilitated Area (in hect)	Considered Wa Rehabilitated (in Rehabilitated (in hect)
Land Use				_
Financial Assurance V				
Image: Second secon				

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)				
IBM ≡	Session time: 22 : 31	✓ ACC Limited Mine Owner			
Reclamation Plan V Use Of Shallow Pits V	Progressive Mine Closure Plan 6.2.11 Land Use Of Lease Area At The Expiry Of Lease Period				
Pisciculture Recreational Facility Dump Area Stabilization V	6.2.11 Land Use Of Lease Area AL The Expiry Of Lease Period				
Reclaiming The Area V Topsoil Management V Dam Management V	ea Total Mined Out Area Reclaimed & Rehabilitated Other Areas Reclaimed & Rehabilitated Mined Out Area Mined Out Area Area Under Reclaimed but Fully Area Under Water Reservoir Stabilitized Virgin Area Area Under Rehabilitated ea Rehabilitated (in Under Green Utility Services Area Under Considered Herbilitated (in Under Green Utility Services Area Under hect) Area Under Considered Herbilitated (in Under Green Utility Services Area Under Herbilitated in Herbilitated (in Under Green Utility Services Area Under Herbilitated in Herbilitated (in Under Green Utility Services Area Under Herbilitated in Herbilitated (in Under Green Utility Services Area Under Herbilitated in Herbilitated (in Under Green Utility Services Area Under Herbilitated in Under Green Utility Services Area Under Herbilitated in Herbilitated (in Under Green Utility Services Area Under Herbilitated in Under Green Utility Services Area Under Herbilitated in Under Green Utility Services Area Under Herbilitated (in Under Green Utility Services Area Under Herbilitated in Under Green Utility Services Area Under Herbilitated (in Under Green Utility Services Area Under Kerbilitated (in Under Kerbilita				
Land Use		×			
Financial Assurance Financial Assurance Review Anneyuras					
Plates(Oc)		Þ			



9) Financial Assurance

Financial Assurance consists of 2 sections:

- 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.

📥 Indian Bureau of Mines		MINING TENEM Mining Plan Appro	ENT SYSTEM		COVERNMENT OF MINES
IBM =				Session time	16:47 - ACC Limited Mine Owner
🟠 DASHBOARD		7. Financia	al Assurance/Performa	ance Security	
📋 General Information 🗸	2020-202	21			
Geology(Oc) 🗸	Consolid	ated View of Financial Assurance			
🖆 Mineral Beneficiation 🗸	SI. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C = A + B)
Mining Operations(Oc) V	1	Area under Mining	1	1	2.00
Sustainable Mining V	2	Topsoil stacking	1	1	2
Financial Assurance	3	Overburden/Waste Dumping	1	1	2.00
YEAR 1-4	4	Mineral Storage	1	1	2.00
Year1	5	Infrastructure (Workshop, Administrative Building etc.)	1	1	2.00
Year 2 Year 3	6	Roads	1	1	2.00
Year 4	7	Railways	1	1	2.00

Indian Bureau of Mines		MINING TENEI Mining Plan Ap	MENT SYSTEM proval System (MPAS)		
BM =				Session time:	15 : 56 ~ ACC Limited Mine Owner
DASHBOARD	6	Roads	1	1	2.00
] General Information 🗸	7	Railways	1	1	2.00
Geology(Oc) 🗸	8	Tailing Pond	1	1	2.00
Mineral Beneficiation 🗸	9	Effluent Treatment Plant	1	1	2.00
Mining Operations(Oc) V	10	Mineral Separation Plant	1	1	2
Mine Closure Plan V	11	Township Area	1	1	2.00
Financial Assurance	12	Others to Specify	1	1	2.00
YEAR 1-4		Total	12.00	12.00	24.00

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 2and 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.

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)				GOVERNMENT OF INDIA		
IBM ≡				Session time	23 : 56 · ACC Limited Mine Owner		
🟠 DASHBOARD	7. Financial Assurance/Performance Surety						
General Information V	2021-2022						
Geology(Oc)	Consolida	ted View of Financial Assurance					
Mineral Beneficiation V	SI. No.	Particular	Area put to use at Start of Year (ha) (A)*	Additional Requirement (ha) (B)*	Total (ha) (C = A + B)		
Mining Operations(Oc) V	1	Area under Mining	2.00	1.00	3.00		
Sustainable Mining V	2	Topsoil stacking	2.00	1.00	3.00		
E Mine Closure Plan ✓ Financial Assurance ∧	3	Overburden/Waste Dumping	2.00	1.00	3.00		
YEAR 1-4	4	Mineral Storage	2.00	1.00	3.00		
Year1	5	Infrastructure (Workshop, Administrative Building etc.)	2.00	1.00	3.00		
Year 3	6	Roads	2.00	1.00	3.00		
Year 4	7	Railways	2.00	1.00	3.00		

Indian Bureau of Mines		MINING TENEI Mining Plan App	MENT SYSTEM proval System (MPAS)		BOVERNMENT OF	INES INDIA
IBM ≡				Session time	: 23 : 32 · ACC Limi Mine Owne	ted d
DASHBOARD	6	Roads	2.00	1.00	3.00	
General Information	7	Railways	2.00	1.00	3.00	
Geology(Oc)	8	Tailing Pond	2.00	1.00	3.00	
Mineral Beneficiation V	9	Effluent Treatment Plant	2.00	1.00	3.00	
Sustainable Mining V	10	Mineral Separation Plant	2.00	1.00	3.00	
A Mine Closure Plan ∨	11	Township Area	2.00	1.00	3.00	
Financial Assurance	12	Others to Specify	2.00	1.00	3.00	
YEAR 1-4		Total	24.00	12.00	36.00	

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.

JIndian Bureau of Mines		MINING TENEM Mining Plan Appro	ENT SYSTEM oval System (MPAS)		BINISTRY OF MINE
IBM ≡				Session time	23 : 32 - ACC Limited Mine Owner
DASHBOARD		7. Financi	ial Assurance/Perform	ance Surety	
General Information V Geology(Oc) V	2022-2023	1. 		-	
Mineral Beneficiation V	Consolidate SI. No.	ed View of Financial Assurance 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
🖺 Mine Closure Plan 🗸	2	Topsoil stacking	3.00	1	4.00
Financial Assurance	3	Overburden/Waste Dumping	3.00	1	4.00
YEAR 1-4	4	Mineral Storage	3.00	1	4.00
Year 2	5	Infrastructure (Workshop, Administrative Building etc.)	3.00	1	4.00
Year 3	6	Roads	3.00	1	4.00
Year 4	7	Railways	3.00	1	4.00

Indian Bureau of Mines		MINING TENE Mining Plan Ap	MENT SYSTEM proval System (MPAS)		
IBM ≡				Session time:	22 : 58 × ACC Limited Mine Owner
DASHBOARD	6	Roads	3.00	1	4.00
General Information	7	Railways	3.00	1	4.00
Mineral Beneficiation V	8	Tailing Pond	3.00	1	4.00
Mining Operations(Oc) V	9	Effluent Treatment Plant	3.00	1	4.00
Sustainable Mining 🗸	10	Mineral Separation Plant	3.00	1	4.00
Mine Closure Plan	11	Township Area	3.00	1	4.00
YEAR 1-4	12	Others to Specify	3.00	1	4.00
Year1		Total	36.00	12.00	48.00

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.

💩 Indian Bureau of Mines		MINING TENEMI Mining Plan Appro	ENT SYSTEM		GOVERNMENT OF INDIA
IBM ≡				Session time	23:12 · ACC Limited Mine Owner o
合 DASHBOARD		7. Financi	al Assurance/Perform	ance Surety	
E Geology(Oc) ✓	2023-2024	4			
☐ Mineral Beneficiation ∨	Consolidat	ed View of Financial Assurance	Area put to use at Start of Year	Additional Requirement (ba)	
☐ Mining Operations(Oc) ∨	No.	Particular	(ha) (A)*	(B)*	Total (ha) (C = A + B)
Sustainable Mining V	1	Area under Mining	4.00	1.00	5.00
☐ Mine Closure Plan ✓	2	Topsoil stacking	4.00	1.00	5.00
Financial Assurance	3	Overburden/Waste Dumping	4.00	1.00	5.00
YEAR 1-4	4	Mineral Storage	4.00	1.00	5.00
Year1 Year 2	5	Infrastructure (Workshop, Administrative Building etc.)	4.00	1.00	5.00
Year 3	6	Roads	4.00	1.00	5.00
rear 4	7	Railways	4.00	1.00	5.00

Indian Bureau of Mines		MINING TENEL Mining Plan App	MENT SYSTEM proval System (MPAS)		BOVERNMENT OF	IINES INDIA
BM ≡				Session time	: 22 : 50 · ACC Limit Mine Owne	ited c
DASHBOARD	6	Roads	4.00	1.00	5.00	
General Information V	7	Railways	4.00	1.00	5.00	
Mineral Beneficiation V	8	Tailing Pond	4.00	1.00	5.00	
Mining Operations(Oc) V	9	Effluent Treatment Plant	4.00	1.00	5.00	
Sustainable Mining 🗸	10	Mineral Separation Plant	4.00	1.00	5.00	
Mine Closure Plan	11	Township Area	4.00	1.00	5.00	
YEAR 1-4	12	Others to Specify	4.00	1.00	5.00	
Year1		Total	48.00	12.00	60.00	

• 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.

💩 Indian Bureau of Mines		In Financial Assurance chapter, 1 sections. If any section is update 1 to YEAR 5 data will automatica	from YEAR 1 to YEAR 5 are interlinked ed then next remaining sections i.e YEAR ally get cleared(removed)		BOVERNMENT OF IN	I ES DIA
IBM ≡			OK	Session time:	23 : 57 · ACC Limited Mine Owner	٥
DASHBOARD	10	wineral Separation Plant	3.00	1.00	4.00	
General Information ✓	11	Township Area	3.00	1.00	4.00	
Geology(Oc)	12	Others to Specify	3.00	1.00	4.00	
Mineral Beneficiation V		Total	36.00	12.00	48.00	
Mining Operations(OC)						
Sustainable mining	← Previous	Update Print All Next 🔶				
Financial Assurance						-
Year1		Contents Provided b	y Indian Bureau of Mines (IBM), Ministry of I	lines, Government of India.		
Year 2 Year 3 Year 4	Designed, Developed and Maintained by National Informatics Centre.					

• If clicked **Ok**button, then next data will get deleted or cleared, if **Cancel**buttonis 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.

🛓 Indian Bureau of Mines	MINING TENEMENT SYS Mining Plan Approval System ((MPAS)					
IBM ≡	_	Session time: 19:30 ~ ACC Limited Mine Owner					
E Guology(cc)	Mining Plan Approval S	ystem (MPAS) Filled Referred Yet to be filled					
Mining Operations(Oc) ∨							
Sustainable Mining ∨ I ≦ Mine Closure Plan ∨							
Financial Assurance	7. Financial Assurance/Performance Surety						
YEAR 1-4 V	Financial Assurance:;	O Performance Surety:					
Financial Assurance Parti Financial Assurance Parti Performance Surety	← Previous Save & Next Print All Next- →						
Review V							
Plates(Oc)	Contents Provided by Indian Bureau of Mines ((IBM), Ministry of Mines, Government of India.					

- 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.

	📕 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
👲 Indian Bureau of Mines	MINING TENEMENT SYS Mining Plan Approval System (MPAS)
IBM ≡		Session time: 23 : 36 - ACC Limited Mine Owner •
Geology(Oc)		
☐ Mineral Beneficiation ∨	7. Financial Assurance	e/Performance Surety
Mining Operations(Oc) V		o Dorformanco Suratu
Sustainable Mining V	Financial Assurance.,	O Performance Surety.
Mine Closure Plan 🗸		
Financial Assurance		
YEAR 1-4 ~	Previous Update Print All Next	
Financial Assurance		
Financial Assurance Part		
Financial Assurance Pa	Contents Provided by Indian Bureau of Mines (IBM), Ministry of Mines, Government of India.
Review V	NAKC DESIGN	aper di A
Annexures V	Designed, Developed and Maintain	ad by National Informatics Centre.
Plates(Oc) ∨	Opera browser	

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

💩 Indian Bureau of Mines	MINING TENEMENT SY Mining Plan Approval System	STEM (MPAS)	BOVERNMENT OF INDIA
IBM ≡		Session time:	23:56 · ACC Limited Mine Owner •
E General Beneficiation ✓	Mining Plan Approval	System (MPAS) 🛛 🕛 Fill	led 😑 Referred 🕒 Yet to be filled
Mining Operations(Oc) ∨		7 8 9	
Image: Substainable Mining ✓	7 Einappial Assuran	co/Porformanco Suraty	
Financial Assurance			
YEAR 1-4 V Financial Assurance A Financial Assurance Partitic Performance Surely	○ Financial Assurance:; ◆ Previous Update Print All Next ◆	Performance Surety	<i>r.</i>
Image: Provide with the second se			
Plates(Oc) ∨	Contents Provided by Indian Bureau of Mine	s (IBM), Ministry of Mines, Government of India.	

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, Totalcolumn 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.





Performance Surety:

- Enter data as per requirement.
- For Add More Row please refer1.1.1 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)
IBM ≡	Session time: 22:43
	Financial Assurance/Performance Surety (B) Performance Surety
Geology(Oc)	7.4 Performance Surety
Mining Operations(Oc)	Total Resources in tonnes for calculation of Performance Surety* Existing Performance surety amount in Rs Upload copy of existing Performance Surety
	dd-mm-yyyy 🗖 Choose File N en 🔀
Financial Assurance	*Submit updated performace security at State based on updated Resources
Financial Assurance Pa Performance Surety	← Previous Save & Next Print All 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.

<u>10.1.1 Lease Area Utilization:</u>

- 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.

Digital India Power To Empower	राष् Na	ट्रीय सूचना विज्ञान केंद्र tional Informatics C	entre				
Indian Bureau of Mines		MINING Mining	TENEMENT Plan Approval S	SYSTEI	M s)		MINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡					Ses	sion time: 13 : 2	5 - ACC Limited د Mine Owner د
DASHBOARD General Information	R	eview of previous p	proposals during	the last plan 8.1 General	period(not app	licable for fre	esh grant)
Geology(Oc) V	8.1.1 Le	ase Area Utilisation					
Mining Operations(Oc) V	SI. 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
Sustainable Mining V Image: Closure Plan V	1	Mining Mineral storage					
Financial Assurance	3	Mineral Beneficiation plant					
General	4	Township					
Area Utilizations	5	Tailing Pond					
SDF And CSR Technical Details	6	Railways					

💩 Indian Bureau of Mines			TENEMENT Plan Approval S	SYSTEM			TRY OF MINES
IBM =					Session ti	me: 12 : 47	✓ ACC Limited Mine Owner
C DASHBOARD	9	OB/waste dump					
General Information V	10	Top soil preservation					
Geology(Oc) ✓	11	Others					
Mining Operations(Oc) V	12	Total area put to use					
Sustainable Mining V	13	Excavated area reclaimed					
☐ Mine Closure Plan ✓	14	Waste dump area reclaimed					
E Financial Assurance V	15	Undisturbed Area					
General		Total					
Area Utilizations							
SDF And CSR Technical Details	🗲 Prev	rious Save & Next Print Al	Next 🌩				

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.

Indian Bureau of Mines	MINING TENEMEN Mining Plan Approva	IT SYS System (TEM MPAS)		🐮 MI	NISTRY OF M
IBM =				Session tin	ne: 23 : 51	 ACC Limit Mine Owne
Image: Second system Image: Second system Image: Second system Ima	8.1.2 SDF and CSR Expenditures	8.1 Ger	neral			.
	A athriter		Proposals	Achievement	Deviation	Reasons for deviation
Mining Operations(Oc) 🗸	Activity					
Image: Sustainable Mining > Image: Sustai	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 Star Department of the star over and EXCLUDES CONTRIBUTION TO DMF & NMET and is over and above the statutory levels imposed by the Government).	10% of Royalty (a)	Total Expenditure for SDF implementation (b)			

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.

Indian Bureau of Mines	МІ				
IBM =				Session time: 23 : 51	 ACC Limited Mine Owner
Carl Contraction Carl Contraction	Review of p	previous proposals dur	ing the last plan period(8.2 Technical Details	not applicable for fresh	grant)
Geology(Oc)	8.2.1 Exploration				
Mineral Beneficiation V		Proposals	Achievement	Deviation	
☐ Mining Operations(Oc) ∨	Particulars	Boreholes Pits Trenchs	Boreholes Pits Trenchs	Boreholes Pits Trenchs	 Reasons for deviation
Sustainable Mining V	Number of Boreholes/ Pits/ Trenches				
Image: Mine Closure Plan Image: Mine Closure Plan Image: Financial Assurance Image: Mine Closure Plan	Boreholes Meterage (If Boreholes selected in first row) (m)				
Review ^	Grid				
General V Technical Details A Exploration	G Axis upgradation during Proposal Period as per guidelines of MEMC Rule 2015)				
Dump And Zero Mining	Area converted under G1 from G2/G3				

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Indian Bureau of Mines	MINING T Mining P	ENEMENT Ian Approval Sy	SYSTEM stem (MPAS)		
BM ≡				Session tim	e: 23 : 04 - ACC Limited Mine Owner
DASHBOARD	8.2.2 Mine Development (Opencast/ U	Inderground/ Both/ Dur	np Mining)		
General Information	Particulars	Proposals	Achievement	Deviation	Reasons for deviation
		8.2.2.1 Generation	n of Ore/Waste While Develop	ment	
	Ore				
	Waste				
Sustainable Mining V	Generated Waste while ROM recovery				
Mine Closure Plan 🗸	Dumping Site (For Surface)				
Financial Assurance 🗸	Removal of waste/ over burden in				
Review	cubic meters]	8.2.2.2 Excavation	L	
General 🗸	Lateral extent			[
Technical Details					
	Vertical extent				

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.

indian Bureau of Mines	MININ Mi	IG TENEMEI ning Plan Approva	NT SYSTEM al System (MPAS)		BOVERNMENT OF INDIA
IBM ≡				Session time	e: 23:20 · ACC Limited Mine Owner •
Sustainable Mining V	Review of previo	ous proposais dur	8.2 Technical Details	iou(not applicable	lor iresn grant)
Financial Assurance	8.2.3 Mining Operation: Dun	ip Mining			
Review ^	Particulars	Proposals	Achievement	Deviation	Reasons for deviation
General V	Handling of Material				
Technical Details	Waste Generated post recovery				
Exploration Dump And Zero Mining	Dumping site for waste				
Backfilling	8.2.4 Zero Waste Mining				
Mineral Production Mineral Rejects	Particulars Alternative use / Disposa Generated (excluding t	of Waste op soil)	osals Achievemer	nt Deviation	Reasons for deviation
Compliances Socio-Economic Review V					
Annexures V	← Previous Save & Next	Print All Next ->			

10.2.3Backfilling:

- 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 TEN	EMENT SY	STEM		INISTRY OF MINE
ndian Bureau of Mines	Mining Plan	Approval System	(MPAS)		GOVERNMENT OF IND
BM ≡				Session time:	22:38 · ACC Limited Mine Owner
Sustainable Mining 🗸 📤	Review of previous propos	sals during the la	st plan period(n	ot applicable f	or fresh grant)
Mine Closure Plan 🗸 🗸		8.2 Techn	ical Details		
Financial Assurance 🗸	8.2.5 Backfilling				
Review A				D 14	D C L L K
General V	Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Technical Details	Site (Co-ordinates)				
Exploration	Area				
	Depth				
Dump And Zero Mining			J		
Dump And Zero Mining Backfilling	· [
Dump And Zero Mining Backfilling Mineral Production	Volume Backfilled (CuM)				
Dump And Zero Mining Backfilling Mineral Production Mineral Rejects	Volume Backfilled (CuM) Backfilled Area available for Reclamation and Rehabilitation				
Dump And Zero Mining Backfilling Mineral Production Mineral Rejects Compliances	Volume Backfilled (CuM) Backfilled Area available for Reclamation and Rehabilitation Backfilled Area Reclaimed and				

Indian Bureau of Mines	MINING TENEM Mining Plan Appr	IENT SYSTEM roval System (MPAS)		STRY OF MINES RNMENT OF INDIA
IBM ≡			Session time: 22 : 10	✓ ACC Limited Mine Owner
Sustainable Mining V	Volume Backfilled (CuM)			
Mine Closure Plan V	Backfilled Area available for Reclamation and Rehabilitation			
Financial Assurance V	Backfilled Area Reclaimed and Rehabilitated			
General V	Balance Backfilled Area			
Technical Details				
Exploration				
Dump And Zero Mining	← Previous Save & Next Print All Next →			
Backfilling				
Mineral Production				
Mineral Rejects	Contents Provided by	ndian Bureau of Mines (IBM), Ministry of Mines	, Government of India.	
Socio-Economic Review V	Designed,	Developed and Maintained by National Informat	tics Centre.	
Annexures V				

10.2.4Production 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.

Indian Bureau of Mines		TENEMENT g Plan Approv <u>al Sy</u>	SYSTEM			RY OF MINE
BM =				Se	ession time: 23 : 36	ACC Limited Mine Owner
Mine Closure Plan V	Review of previous	proposals during 8.2	he last plan period	(not applicable	for fresh grant)	
Review A	8.2.6 Production of Mineral(s)					
General V Technical Details	Particulars	Proposals	Achievement	Deviation	Reasons for deviation	
Exploration	Opencast		8.2.6.1 : ROM			Ĵ
Dump And Zero Mining Backfilling			3.2.6.2 : Cleaned Ore			
Mineral Production	Opencast]
Mineral Rejects	Dump Mining]
Compliances Socio-Economic Review	Recovery from Mineral Rejects or Tailings					Ĵ
						1

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.

ndian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)						
M =					Session time: 23 : 48	 ACC Limited Mine Owner 	
Aineral Beneficiation 🗸							
lining Operations(Oc) V	Review of previous prop	osals during the	last plan period(not applicable f	or fresh grant)		
Sustainable Mining 🗸		8.2 Te	chnical Details		j,		
Mine Closure Plan 🗸 🗸	8.2.7 Handling of Mineral Rejects/ Sub-Gr	ade					
Financial Assurance 🗸							
teview A	Parbculars	Proposals Generati	Achievement	Deviation	Reasons for deviation		
eneral 🗸	Opencast						
echnical Details	Dump Mining						
Exploration Dump And Zero Mining	Other Recovery						
Backfilling Mineral Production	Stacking of Mineral Reject/Sub-Grade						
Mineral Rejects	Blending of Mineral Reject / Sub-Grade						
Compliances		,		·			
Annexures V							
Plates(Oc) V	vious 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.

Digital India Power To Empower	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre	
🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =		Session time: 23 : 50 - ACC Limited Mine Owner •
Cancel Information ↓ Cancel Information ↓ Cancel Geology(Cc) ↓	Review of previous proposals during the last plan period(not applicable 8.2 Technical Details	for fresh grant)
Mineral Beneficiation V		
Mining Operations(Oc) ∨	Particulars Proposals Achievement Deviation 8.2.8.1 : Top soil	Reasons for deviation
Sustainable Mining V	Generation	
Financial Assurance V	Utilization	
Review ^	Stacking (Dump Id)	
General V Technical Details	Reclamation	
Exploration	Rehabilitation	
Dump And Zero Mining	8.2.8.2 : Afforestation (Dumps/Benches/Backfilled Area etc.)	
Backfilling	-Please Select V	
Mineral Production	Please Select V	
Compliances	Please Select v	

📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =		Session time: 18 : 56 · ACC Limited •
🟠 DASHBOARD	Please Select V	
General Information	-Please Select V	
Geology(Oc)	-Please Select V	
Mineral Beneficiation V	-Please Select V	
Sustainable Mining V	Please Select V	
☐ Mine Closure Plan ∨	8.2.8.3 : Afforestation (Green Belt)	
🖹 Financial Assurance 🗸	Please Select V	
Review A	Please Select V	
General V	Please Select V	
Exploration	Please Select V	
Dump And Zero Mining	Please Select V	
Backfilling Mineral Production	Construction of check dams	
Mineral Rejects	Construction of garland drain (in meter)	

📥 Indian Bureau of Mines	MINING TEN Mining Plan	IEMENT SYSTEM Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =			Session time: 18 : 20 · ACC Limited •
🟠 DASHBOARD	Please Select		
General Information V	Please Select V		
Geology(Oc)	Please Select V		
Mineral Beneficiation V	Construction of check dams		
Mining Operations(Oc) V	Construction of garland drain (in meter)		
Sustainable Mining V	Construction of retaining walls(in meter)		
		8.2.8.4 : Tailings	
Review ^	Generation		
General V	Utilization		
Technical Details	Disposal		
Exploration			
Dump And Zero Mining			
Backfilling	evious Save & Next Print All Next +		
Mineral Production			
Compliances			
	Contents Prov	ided by Indian Bureau of Mines (IBM). Ministry of Mines. Governmen	nt of India.



10.3. Socio-Economic Review:

- Socio-Economic Reviewconsists 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.

📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	STRY OF MINES
IBM ≡	Session time: 22:22	✓ ACC Limited Mine Owner
C DASHBOARD	8.3 Socio-Economic Review	
🖆 General Information 🗸	8.3.1 Rehabilitation & Resettlement for Project Affected People	
Geology(Oc)	Reasons for	
Mineral Beneficiation	Particulars Proposals Actual Deviation deviation	
☐ Mining Operations(Oc) ∨	No. of Project Affected People (PAP)	
Sustainable Mining V	%age of PAP for whom alternate arrangements made for sustained livelihood	
📋 Mine Closure Plan 🗸	% of project affected families given employment	
Financial Assurance	% of project affected families who have been skilled by the lessee and absorbed % of total employment given to affected families	
	8.3.2 : Grievance Redressal	
Technical Details	Grievances Grievances Received	
PAPandRedressal	Grievances	
Welfare Of PAP	Kearessea	
📋 Annexures 🗸 🗸		-
Plates(Oc) V	Nas Saves & 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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<u> Indian Bureau of Mines</u>

MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)

BOVERNMENT OF MINES

					Ses	ssion time: 23 : 46
A		8.3 Socio-	Economic Revie	w		on grant,
×	8.3.3 Welfare and socio-economic developme	ent programs for loc	al communities			
~						
	Particulars	Please S 🗸	Please S 🗸	-Please S 🗸	Please S 🗸	Please S 🗸
e) 🗸		8.3.3.1 support for I	Drinking Water & A	griculture		
×	No. of Water Storage Tanks constructed					
	Drinking Water Facilities provided (Bore wells/ Pumps etc.)					
	Irrigation Support provided (Canals/ Pumps etc.)					
	No. of Water tanks De-silted					
	Water Treatment facilities provided (A/NA)					
	Amount of Water treated (in kL) (if selected A in above)					
		8.3.3.2 Support to	Health & Medical S	ervices		
	No. of persons identified from Occupational health diseases					
	No. of Health Camps/ Medicine Camps Organized					

📥 Indian Bureau of Mines	MINING TENE Mining Plan Ap	MENT SYSTEM		MINISTRY OF MINES GOVERNMENT OF INDIA
IBM =			Session time:	23:05 · ACC Limited
C DASHBOARD	8.	3.3.3 Support to Skill development & Education	on	
🖹 General Information 🗸		Vocational Training Provided/ Support Provided		
🖹 Geology(Oc) 🗸	No. of employees undergone Vocational training			
🗎 Mineral Beneficiation 🗸	No. of other persons undergone Vocational training			
Image Mining Operations(Oo) ∨ Image Supplementation	Number of Literacy & Education Camps held/ Supported			
☐ Mine Closure Plan ×	8.3.3.4	Support to Transportation Services & Infrast	ructure	
🖹 Financial Assurance 🗸	Expenditure on Transportation Services & Infrastructure			
Review ^	Road development (m) in the peripheral area (not lease area)			
General 🗸	No. of Public transport support provided (Ambulance/Buses/ School Vans etc)			
Socio-Economic Review	8.3.3.5 Swatchata Programs: Cr	eating/providing sanitation and healthy condi	tion in and around the mine area	
PAPandRedressal		Adoption of ODF within mining lease area		
Welfare Of PAP	No. of Toilets built in the Lease Area			
Annexures 🗸		Adoption of ODF in nearby villages		
Plates(Oo)	No. Of Toilets built in the villages			

📥 Indian Bureau of Mines	MINING TENE Mining Plan A	EMENT SYSTEM pproval System (MPAS)	BOVERNMENT OF INDIA
IBM =			Session time: 22:38 · ACC Limited Mine Owner •
A DASHBOARD	No. of Public transport support provided (Ambulance/Buses/ School Vans etc)		
General Information 🗸	8.3.3.5 Swatchata Programs: C	reating/providing sanitation and healthy condition in a	nd around the mine area
Ê Geology(Oc) ✓		Adoption of ODF within mining lease area	
E Mineral Beneficiation ✓	No. of Toilets built in the Lease Area		
☐ Mining Operations(Oc) ✓		Adoption of ODF in nearby villages	
Sustainable Mining V	No. Of Toilets built in the villages		
Mine Closure Plan V	Provisi	on for greenage recreational facility (Within Lease Area/ Outside)	
Review ^	Recreational Area Type (Picnic Spot/ tracks/Park Etc)		
General 🗸	Area covered (For within Lease Area only)		
Technical Details		Awareness program among Mine workers for Swatchata	
PAPandRedressal	No. of Swatchchta Programmes held		
Welfare Of PAP			
Annexures 🗸			
Plates(Oc)	us Save & Next Print All Next ->		
件			



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.

📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF INDIA
IBM ≡		Session time: 23:48 V ACC Limited Mine Owner O
DASHBOARD General Information	IMPACT ASSESSMENT 9.1 Baseline Information	
Biology(kg) v Biology (kg) v <td>Whether Area fails under Forest Whether Area fails under Wildlife Sanctuary Yes Yes Whether Area fails under Coastal Regulation Zone (GRZ) Whether Area fails under Defence Land Yes Yes Any Other Clearance (specify) Yes Yes Yes</td> <td>~ ~</td>	Whether Area fails under Forest Whether Area fails under Wildlife Sanctuary Yes Yes Whether Area fails under Coastal Regulation Zone (GRZ) Whether Area fails under Defence Land Yes Yes Any Other Clearance (specify) Yes Yes Yes	~ ~
Noise ~ Wattion ~ Socio Economics ~ (2) Annexums ~ (2) Patan(kg) ~ (2) Patan(kg) ~	(Total 2000 characters) Since & Next Print All Next &	

11.2. Environment Parameter:

<u>11.2.1 Environment Monitoring:</u>

- 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.

Digital India Power To Empower	। राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre				
💑 Indian Bureau of Mines	MINING TENEMENT S Mining Plan Approval Syste	YS ۳	STEM (MPAS)		OF MINES
IBM =	-		Session	time: 23 : 40 - 4	ACC Limited fine Owner
DA SHEDARD General Information General Contemport	IMPACT / 9.2 Enviror	AS:	SESSMENT nt Parameters		
Mineral Beneficiation	9.2.1 Environment Monitoring				
Iming Operations(Ug) ∨ Iming Operations(Ug) ∨ Iming Sustainable Mining ∨	9.2.1.1 : Ambient Air Quality Core Zone (Quarterly Monitoring Planned) Yes		Buffer Zone (Quarterly Monitoring Planned) Yes	~	
Image: Second	9.2.1.2 : Water Quality Core Zone (Quarterly Monitoring Planned)		Buffer Zone (Quarterly Monitoring Planned)		
E Impact Assessment ∧	Yes	~	Yes	~	
Baseline Information V Environment Parameters	9.2.1.3 : Noise Level Core Zone (Quarterly Monitoring Planned)		Buffer Zone (Quarterly Monitoring Planned)		
Monitoring	Yes	~	Yes	~	
Noise Vibration Vibration Kernet	us Save & Next Print AB Next 🌩				

11.3. Impact Assessment:

- Impact Assessment consists of7 sections.
- Impact Assessment, Mitigation Measure, Air Environment, Water Environment, Impact Assess Measure, Water Body & Water Balance.

<u>11.3.1 Land Environment:</u>

- 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 ≡	Ses	sion time: 18 : 33 - ACC Limited Mine Owner
C DASHBOARD C General Information ✓	IMPACT ASSESSMENT 9.3 Impact Assessment	
Geology(Ug) V Image: Second graph of the second	9.3.2 Land Environment 9.3.2.1 : BASE / PRESENT STATUS	4054 (01.)
Sustainable Mining V	Barren / Waste land with small bushes & shrubs	
Financial Assurance V	Land under Agriculture / Crop	
☐ Impact Assessment ∧	Land covered with Plants	
Baseline Information V	Land under Grass Cover	
Environment Parameters	Land under Public Infrastructure / Utilities (water bodies, roads, railways, electric lines, telephone lines etc.)	
Impact Assessment	Land under Habitation	

Indian Bureau of Mines	MINING IENEMEN I SYSTEM Mining Plan Approval System (MPAS)		ISTRY OF MINE ERNMENT OF IND
IBM =	-	Session time: 17 : 56	 ACC Limited Mine Owner
DASHBOARD	Any Other, please specify below		
General Information	Date of Observation	dd-mm-yyyy	
Geology(Ug)	9.3.2.2 : ANTICIPATED IMPACT		
Mineral Beneficiation	Pre Mining Use	AREA (Ha)	
Mining Operations(Ug) V	Degradation by Excavation		
Sustainable Mining 🗸	Degradation by Dumps & Material Staking		
Mine Closure Plan 🗸	Covered under Plants, Shades & Buildings		
Financial Assurance 🗸	Covered by Roads & Approaches		
Impact Assessment			

<u>11.3.2 Mitigation Measures:</u>

- 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)	BOVERNMENT OF MINES
IBM ≡		Session time: 19:01 ~ ACC Limited Mine Owner o
Baseline Information	IMPACT ASSESSMENT 9.3 Impact Assessment	
Impact Assessment	9.3.2.3 MITIGATION MEASURES	
Impact Assessment Mitigation Measure Air Environment	9.3.2.3.1 : Backfilling	
Water Environment Impact Asses Measure	(Total 2000 charactere)	
Water Balance Noise ~	9.3.2.3.2 : Area proposed to be covered by Plantation in Backfilled Area	
Vibration ✓ Socio-Economics ✓		Å

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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: 17 : 58 - ACC Limited O Mine Owner O
Impact Assessment Baseline Information Environment Parameters Impact Assessment Mitigation Measure Air Environment Water Environment Impact Asses Measure	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	
Water Body Water Balance Noise ~ Vibration ~ Socio-Economics ~ □== Annexures	9.3.2.3.5 : Ground water Recharging	

💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BUDGER STREET OF MINES
IBM ≡		Session time: 17:23 V ACC Limited Mine Owner
☐ Impact Assessment ∧	9.3.2.3.6 : Green Belt Development	
Baseline Information V Environment ParametersV		
Impact Assessment		
Impact Assessment Mitigation Measure	9.3.2.3.7 : Agriculture	
Air Environment		
Water Environment Impact Asses Measure		
Water Body Water Balance		
Noise ~		
Vibration V Socio-Economics V	← Previous Save & Next Print All Next →	
Annexures ∨		

<u>11.3.3 Air Environment:</u>

- 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.

	🗲 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre	
📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡	Ses	sion time: 23 : 02 v ACC Limited Mine Owner o
DASHEOARD Deseral Information Geology(Ug) Geology(Ug)	IMPACT ASSESSMENT 9.3 Impact Assessment 9.3.3 Air Environment	
Image: Substantiable Mining ✓ Image: Substantable Mining ✓ Image: Substantable Mining ✓ Image: Mine Closure Plan ✓ Image: Substantable Mining ✓ <t< th=""><th>9.3.3.1 : Climate & Meteorology (Please provide average of 10 years) Temperature (°C) Relative Humidity (%) Average Maximum </th><th>e Rainfail (mm)</th></t<>	9.3.3.1 : Climate & Meteorology (Please provide average of 10 years) Temperature (°C) Relative Humidity (%) Average Maximum	e Rainfail (mm)
Financial Assurance Financial Assurance Financial Assurance Financial Assurance Financial Assurance Financial Assessment Financial Ass	9.3.3.2 : Air Quality Details for Base line Information / Present Status Sr. Station Name Season PM10 (µg/m ³) PM10 [µg/m ³) PM2.5 (µg/m ³) 1 select- V	alue SO2Excess (up/m ²)
Impact Assessment Mitigation Measure Air Environment Waler Environment		,
Indian Bureau of Mines	Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM =	Sess	ion time: 22 : 34 ~ ACC Limited •
♪ DASHBOARD □ General Information ○ □ ○ Genology(Ug)	IMPACT ASSESSMENT 9.3 Impact Assessment 9.3 Air Environment	
Mineral Beneficiation V	9.3.3.1 : Climate & Meteorology (Please provide average of 10 years)	
Image Operations(Ug)	Temperature (°C) Relative Humidity (%) Average Maximum	Rainfall (mm)
Impact Assessment	PM2.5 Excess (µg/m ²) SO2 Value (µg/m ²) SO2 Excess (µg/m ²) NOX Value (µg/m ²) NOX Excess (µg/m ²) Date of Observation	Action ×
Impact Assessment Mitigation Measure Air Erwironment Water Environment	vicus Save & Next Print All Next	,

<u>11.3.4 Water Environment:</u>

- 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.

	∎ राष्ट्रीय सूचना विज्ञान केंद्र ≣ National Informatics Centre	
💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	Y OF MINES ENT OF INDIA
IBM =	Session time: 23:14 ~	ACC Limited Mine Owner
Image: Second	IMPACT ASSESSMENT 9.3 Impact Assessment 9.3.4 Water Environment	
impact Assessment Conversion Impact Assessment	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)	
Impact Assessment Mitigation Measure Air Environment		
Water Environment Impact Asses Measure Water Body	(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 StudyGive details about Impact on vegetation)	
Water Balance Noise Vibration Socio-Economics V		

💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	TRY OF MINE	S IA
IBM ≡	Session time: 22:10	ACC Limited Mine Owner	Φ
Mine Closure Ptan Financial Assurance Financial Assurance Financial Assurance Financial Assurance Financial Assurance Financi Assessment Mitigation Measure Ar Environment Mitigation Measure Ar Environment Mitigation Measure Water Body Water Balance Noice V	(1001 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 StudyGive 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) (Total 2000 characters)		
Vibration Vibration Socio-Economics V [m] Annexures	◆ Previous Save & Next Print All Next ◆		

<u>11.3.5 Impact Assessment & Mitigation Measures:</u>

- 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.

Digital India	राष्ट्रीय सूचना विज्ञान केंद्र National Informatics Centre		
📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		RY OF MINES
IBM ≡	8.3 mpdct Assessment	Session time: 23:34	✓ ACC Limited Mine Owner
C DASHBOARD	9.3.3.3 Impact Assessment & Mitigation Measures		
General Information V Geology(Ug) V	9.3.3.3.1 : Anticipated Impact Give details on Prediction of fuglitve dust emissions due to mining activities, crushing & cleaning plants, loading & unloading, transportation to	y rail, road or conveyor	
Mineral Beneficiation V			
Mining Operations(Ug) V			
Sustainable Mining V			
Mine Closure Plan V	(Total 2000 characters)	//	
Financial Assurance V	9.3.3.2 : Mitigation Measure		
📋 Impact Assessment 🔨	Give details on measures to reduce the emissions of pollutants during mining, loading, unloading, transportation, dnilling, blasting, crushing e	ic. to maintain the air quality	
Baseline Information			
Environment Parameters/			
Impact Assessment			
Impact Assessment	(Total 2000 characters)	//	
Mitigation Measure			
Air Environment			
Impact Asses Measure	FPrevious 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.

🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡		Session time: 23 : 12 ~ ACC Limited Mine Owner o
🖒 DA SHBOARD		
General Information V	IMPACT ASSESSMENT 9.3 Impact Assessment	
E Geology(Ug) ✓	9.3.4.2 WATER BODY	
Mining Operations(Ug) V	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)	
🖹 Sustainable Mining 🗸		
🗎 Mine Closure Plan 🗸		
Financial Assurance 🗸		
Impact Assessment	(Total 2000 charactera)	
Baseline Information V	9.3.4.2.2 : Anticipated Impact	
Impact Assessment	(injucas of ocu mano, i uncounty or mining i rojecu in observateus)	
Impact Assessment		
Mitigation Measure		
Water Environment	(Total 2000 characters)	

	🚄 राष्ट्रीय सूचना विज्ञान केंद्र 🗮 National Informatics Centre		
💩 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	MINISTRY OF MINES GOVERNMENT OF INDIA	
IBM ≡		Session time: 22:44 - ACC Limited Mine Owner	,
DASHBOARD General Information Colory(Ug) Mineral Beneficiation Sustainable Mining Sustainable Mining Mine Closure Plan Mine Closure Plan Financial Assurance Sustainable Mining mact Assessment Sustainable Parametersy.	(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)		
Impact Assessment	(Total 2000 characters) Previous Save & Next Print All Next >		

<u>11.3.7 Water Balance:</u>

- 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)	INES INDIA
IBM =	Session time: 23:46 ACC Lim Mine Own	lited er
🚔 Mine Closure Plan 🗸		
Financial Assurance V	IMPACT ASSESSMENT 9.3 Impact Assessment	
Baseline Information	9.3.4.3 WATER BALANCE	
Environment Parameters/	9.3.4.3.1 : Base / Present Status	
Impact Assessment Impact Assessment Impact Assessment Imigation Measure Air Environment Water Environment	(Water Balance (Withdrawal of Surface Water & Release of Mine Drainage Water) Water Requirement & Waste Water Generation from various Activities of Mine, Including Beneficiation)	
Impact Asses Measure Water Body Water Balance	(Total 2000 characters) 9.3.4.3.2 : Anticipated Impact (Impact of Vater Draw) on Surface & Groundwater Resources Impact on Surface & Groundwater Quality due to Discharges from Mining, Tailings Pond, Workshop, Township, & Leach are from Solid Waste Dumps etc.)	
Noise 🗸		
Socio-Economics V		
Annexures V		

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Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		Y OF MINES
IBM =	s	ession time: 23 : 04 🛛 🗸	ACC Limited Mine Owner
	Township, & Leach ate from Solid Waste Dumps etc)		
🚔 Financial Assurance 🗸			
Impact Assessment			
Baseline Information			
Environment Parametersy	(Total 2000 characters) 9.3.4.3.3 : Mitigation Measure		
Impact Assessment	(Construction of Check Dams, Sedimentation Ponds, Settling Tanks, Retaining Walls etc. with Design & Site Features for Control of run- Meeting the Prescribed Standard Waste Water Treatment for Township Sewage, Workshop(s), Tailing Pond Overflow etc)	off Mine Water Treatment for	
Mitigation Measure			
Air Environment			
Water Environment			
Water Body	(Total 2000 characters)		
Water Balance			
Noise			

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.

🤹 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)
IBM =	Session time: 23 : 36 < ACC Limited Mine Owner •
Sustainable Mining V	
Mine Closure Plan V	IMPACT ASSESSMENT 9.3.5 Noise
Financial Assurance V	9.3.5 Noise
Impact Assessment Baseline Information Environment Parameters Impact Assessment	9.3.5.1 Critical Locations Identified within Lease Area :
Noise Noise Noise Details (Part-1) Noise Details (Part-2) Nois Impact Assessment	(Total 2000 characters) 9.3.5.2 Give Detail About Prediction of Noise Level by using Mathematical Modeling at Different Locations Identified :
Vibration V Socio-Economics V	(Total 2000 characters) 9.3.5.3 Measures to Minimize the Impact on Receiving Environment :

Manual Prepared by NIC Central Projects, SDTC, Nagpur

Indian Bureau of Mine	es	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		MINIS GOVER	FRY OF MINE	E S DIA
BM	≡		Session time:	22 : 44	, ACC Limited Mine Owner	¢
Sustainable Mining ~	^	0.3.5.2 Give Detail About Prediction of Noise Level by using Mathematical Modeling at Different Locat	tions Identified :			
Financial Assurance V						
Impact Assessment		(Total 2000 characters)				
Baseline Information V Environment Parameters		9.3.5.3 Measures to Minimize the Impact on Receiving Environment :]	
Impact Assessment V						
Natar						

<u>11.4.2 Noise Details for Base/Present Status - I:</u>

• This section only displays data.

📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		MINISTRY OF MINES GOVERNMENT OF INDIA		
IBM ≡				Session time: 23 : 42	ACC Limited Mine Owner
DASHBOARD General Information	IMPACT ASSESSMENT 9.3.5 Noise				
Context and additional of the second se					
Mineral Beneficiation	Noise Standards				
Mining Operations(Ug) ~	Area Code	Category of Area	Limits in dB(A)Leq		
Sustainable Mining V	71100 0000	category or mea	Day Time	Night Time	_
	A	Industrial Area	75	70	
Mine Closure Plan V	В	Commercial Area	65	55	
📋 Financial Assurance 🗸	С	Residential Area	55	45	
(白) Imnact Assessment A	D	Silence Area	40	50	
Basatina information Environmation Impact Assessment Noise Noise Noise Noise (Part-1)					

<u>11.4.3 Noise Details for Base/Present Status - II:</u>

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial 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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indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BINISTRY OF MINES GOVERNMENT OF INDIA
IBM ≡	Mining Plan Approval System (MPAS)	Session time: 23:39 ~ ACC Limited o
Mine Closure Plan Financial Assurance mine Closure Plan mine Closu		9 10 17 17 17 17 17 17 17 17 17 17 17 17 17
Baseline Information Environment Parameters> Immact Assessment	IMPACT ASSESSMENT 9.3.5 Noise	
Noise	9.3.5.4 : Noise Details for Base / Present Status - II	
Noise Details-(Part-1) Noise Details-(Part-2) Nois Immart Assacsme	Station Name Season Type of Area Noise At Day Excess Noise At Day Noise At Night Excess Time: Noise At Night Excess Noise At Day Noise At Night Excess Noise At Noise At Night Noise At Night	s Koise at Date of light Observation dd-mm-y
Vibration V Socie Economics V	•	i ∳ Add m. ►
Annexures ∨ Plates(Ug) ∨ Preda Preda	s Save & Next Print All Next 🔶	

<u>11.4.4 Impact Assessment & Mitigation Measure:</u>

- 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)		Y OF MINES IENT OF INDIA
IBM =		Session time: 23 : 39 ~	ACC Limited Mine Owner
Mineral Beneficiation Mining Operations([]g)	IMPACT ASSESSMENT 9.3.5 Noise		
🖹 Sustainable Mining 🗸	9.3.5.5 Impact Assessment & Miligation Measures		
Mine Closure Plan V	9.3.5.5.1 Anticipated Impact: Give details on impact on ambient noise level due to rock excavation, transportation, processing equipments & ancillaries		
Impact Assessment Assessment Assessment Assessment Assessment Assessment			
Impact Assessment V Noise A	(70bal 2000 characters) (70bal 2000 characters) 9.3.5.5.2 Miligation Measure: Give details on measures for noise abatement including point source & line source		
Noise Noise Details (Part-1) Noise Details (Part-2) Nois Impact Assessment			
Vibration V Socio-Economics V	() otal zuuz onaracters)		

11.5. Vibration:

- Vibration consists of 2 sections.
- Vibration Details, Vibration Impact Assessment.

<u>11.5.1 Vibration Details for Base/Present Status:</u>

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial Lease Details Section



- If section is already saved then Update will show instead of Save & Next button.
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📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	INISTRY OF MINES OVERNMENT OF INDIA
IBM ≡	Session time: 23 : 17	→ ACC Limited Mine Owner
Sustainable Mining 🗸 🔷		
🗎 Mine Closure Plan 🗸	IMPACT ASSESSMENT	
Financial Assurance 🗸	9.3.6 Vibration	
Impact Assessment	9.3.6.1 Vibration Details for Base / Present Status	
Baseline Information V		
Environment Parameters~	SI. Distance from the Blasting Site Peak Particle Air Over Date of	
Impact Assessment 🗸	No. Station Name Season (m) Velocity (mm/s) Pressure (DB) Frequency (Hz) Observation	n
Noise 🗸	1 dd-mm-y	
Vibration ^		+ Add more
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Vibration Impact Asses	4	,
Socio-Economics 🗸		
Annexures 🗸		
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<u>11.5.2 Impact Assessment & Mitigation Measures:</u>

- Enter data as per requirement.
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📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
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A DASHBOARD	IMPACT ASSESSMENT	
	9.3.6 Vibration	
	9.3.6.2 Impact Assessment & Miligation Measures	
Geology(Ug)	9 3 6 2 1 Anticipated Impact	
Mineral Beneficiation V	(Give details on impact of vibrations including damage to materials/structures due to blasting)	
Mining Operations(Ug) V		
Sustainable Mining V		
🚔 Mine Closure Plan 🗸		
🖹 Financial Assurance 🗸		
🖹 Impact Assessment 🔨	9.3.6.2.2 Mitigation Measure	
	Give details on measures for noise abatement including point source & line source	
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Noise V		
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11.6. Socio-Economic:

- Socio-Economic consists of7 sections.
- Demographic Profile (Part-1), Demographic Profile (Part-2), Traditional Skills, Economic Profile, Human Settlement, Health Profile & Historically


<u>11.6.1 Demographic Profile-I:</u>

- Enter data as per requirement.
- For Add More Row please refer1.1.1Initial Lease Details Section
- If section is already saved then Update will show instead of Save & Next button.
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Impact Assessment V Noise V Vibration V	IMPACT ASSESSMENT 9.3.7 SOCIO-ECONOMIC ENVIRONMENT		
Socio-Economics	9.3.7.1 Demographic Profile- I SL. Type of Area Name of Village Total Population Male to Female Ratio Literacy Rate (%) 1 selec •	Employment Rate (%)	
Human Settlement Health Profile Historically Plates(Ug) ~ Pates(Ug) ~ Payment ~			

<u>11.6.2 Demographic Profile-II:</u>

- Enter data as per requirement.
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📥 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
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Image: Mine Closure Plan Image: Mine Closure Plan Image: Financial Assurance Image: Mine Closure Plan	IMPACT ASSESSMENT 9.3.7 SOCIO-ECONOMIC ENVIRONMENT	
📋 Impact Assessment 🔨	9.3.7.1 Demographic Profile- II	
Baseline Information	9.3.7.1.1 Anticipated Impact (Give details about impact on the cropping pattern & crop productivity in the core zone)	
Impact Assessment V Noise V		
Vibration V Socio-Economics A		
Demographic Profile(P Demographic Profile(Part #	(rada 2000 dimetarian) 9. 3. 7. 1.2 Mitigation Measure (Give details about compensation for loss of land & crops)	
Traditional Skills Economic Profile		
Human Settlement Health Profile Historically	(Totai 2000 characters)	
E Annexures V E Plates(Ug) V	nus Save & Nost Print All Mant I	



11.6.3 Traditional Skills & Science of Livelihood:

- Enter data as per requirement.
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💑 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)		Y OF MINES
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	9.3.7.2.2 Anticipated Impact		
Mine Closure Plan 🗸	(Give details about positive & negative impacts on present status of livelihood in the area)		
🖹 Financial Assurance 🗸			1
Impact Assessment			
Baseline Information			
Environment Parameters	(Total 2000 characters)		
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E Impact Assessment	9.3.7.2 Traditional Skills & Source of Livelihood	
Baseline Information	9.3.7.2.1 Base / Present Status (Give details about present status on traditional skills & source of livelihood)	
Noise V Vibration V		
Socio-Economics	(Total 2000 characters)	
Demographic Profile(P: Tradifional Skills	9. J. Z. Z Anticipated impact (Give details about positive & negative impacts on present status of livelihood in the area)	
Economic Profile Human Settlement		
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🚔 Annexures 🗸 🗸	(Give details about training to locals for employment in the project training for making them self-employable or elsewhere)	

<u>11.6.4 Economic Profile of the Population in Core & Buffer Zone:</u>

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Mine Closure Plan V	9.3.7 SOCIO-ECONOMIC ENVIRONMENT	
Financial Assurance 🗸	9.3.7.3 Economic Profile of the Population in Core & Buffer Zone	
Impact Assessment	0.2.7.2.1 Date / Dresont Status	
Baseline Information	(Give details about economic profile of the population in core & buffer zone)	
Environment Parameters/		
Impact Assessment 🗸		
Noise 🗸		
Vibration V		
Socio-Economics	(Total 2000 characters) 9 3 7 3 2 Anticipated Impact	
Demographic Profile(Pa	(Give details about impact on community resources such as grazing land)	
Demographic Profile(Pa		
Traditional Skills		
Economic Profile		
Human Settlement		
Health Profile	(Total 2000 characters) 9 3 7 3 3 Mitination Measure	
Historically	(Give details about employment opportunities & access to other amenities such as education, health care facilities to be extended to locals, addressing local	
Annexures 🗸	unemployment, tourism or recreation opportunities, efforts for sustainable development of the local community)	
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Socio-Economics		
Demographic Profile(P:		
Demographic Profile(P:		
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Human Settlement		
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<u>11.6.5 Human Settlement in Core & Buffer Zone:</u>

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Environment Parameters	9.3.7.4.1 Base / Present Status (Give details about human settlement in core & buffer zone)	
Impact Assessment V		
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Socio-Economics		
Demographic Profile(Pa	(Total 2000 characters)	
Demographic Profile(Pa	9.3.7.4.2 Anticipated Impact (Give details about any displacement of human settlements during the life of the mine)	
Traditional Skills		
Human Settlement		
Health Profile		
Historically	(Total 2000 characters)	12
Annexures 🗸	9.3.7.4.3 Mitigation Measure (Give details should rehabilitation & resettlement of land overlare & disclared neople)	
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	(rom zour dnakoters) 9.3.7.4.3 Mitigation Measure (Olive datalle abuit rehabilitation & constituent of land system ® disclosed security)	
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<u>11.6.6 Human Profile of Population in Core & Buffer Zone:</u>

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Baseline Information V Environment Parametersv Impact Assessment V	IMPACT ASSESSMENT 9.3.7 SOCIO-ECONOMIC ENVIRONMENT	
Noise V Vibration V	9.3.7.5 Health Profile of Population in Core & Buffer Zone	
Socio-Economics A Demographic Profile(P) Demographic Profile(P) Traditional Skills	9.3.7.5.1 Base / Present Status (Give details about health profile of population in core & buffer zone)	
Economic Profile Human Settlement Health Profile Historically	(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)	
Plates(Ug) V Payment V	(Total 2000 characters) 9.3.7.5.3 Mitigation Measure	
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Baseline Information Environment Parametersy Impact Assessment Violee Violee Violee Violee Violee V	Give details about any adverse impact on the general health condition of the population in core & buffer zone)	
Secie Economics Demographic Profile(P) Demographic Profile(P) Traditional Skills	(Total 2000 characters) 9.3.7.5.3 Mitigation Measure (Give details about avenues like dispensaries, hospitals, maternity homes if any to be created)	
Economic Profile Human Settlement Health Profile Historically	(Total 2000 charactera)	
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<u>11.6.7Historically, Culturally & Ecologically Important Places in Core & Buffer Zone:</u>

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DASHBOARD General Information General Information Geology(Ug) Mineral Beneficiation	9.3.7 6.2 Anticipated Impact (Give details about risk profiling)	Session time: 22:49 • ACC Limited •
Imining Operations(Ug) v Image: Sustainable Mining Image: Sustainable Mining	/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.)
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Annexure consist of 1 section:

1) Upload Document

12.1. Upload Document:

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- If section is already saved then Update will show instead of Save & Next button.
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E Sustainable Mining ∨	1 Letter of Intent /Letter of lease grant	Choose File No file chosen Allowed file PDF upto 10MB
 ☐ Mine Closure Plan ∨ ☐ Financial Assurance ∨ 	2 Copy of lease deed executed	Choose File No file chosen Allowed file PDF upto 10MB
Review V	3 Copy of Environment and Forest Clearence, Consent to Establish, Consent to Operate	Choose File No file chosen Allowed file PDF upto 10MB
Upload Document	4 Copy of Declaration of Owner/Nominated Owner in case of Company/partnership firm	Choose File No file chosen Allowed file PDF upto 10MB
Upload Document	5 Copy of Registration of Company (RoC)/Partnership firm (Registration) & Deed	Choose File No file chosen

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Mineral Beneficiation ~	e	ID & Address Proof of Owner/ Nominated Owner		Choose File No file chosen Allowed file PDF upto 10MB
Image: Mining Operations(Oc) Image: Sustainable Mining	7	Consent letter for Qualified Person		Choose File No file chosen Allowed file PDF upto 10MB
Mine Closure Plan	ε	Experience & Qualification Details of Qualified Person		Choose File No file chosen Allowed file PDF upto 10MB
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Plates(Oc)				

Power To Empower	National Informatics Centre MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	BOVERNMENT OF MINES
IBM ≡		Session time: 08 : 56 · ACC Limited •
DASHBOARD	14 Any other Report or Certification as required in the submitted Document.	Choose File No file chosen Allowed file PDF upto 10MB
General Information	15 Mineral processing flowsheet with stage wise recovery	Choose File No file chosen Allowed file PDF upto 10MB
 ☐ Mineral Beneficiation ∨ ☐ Mining Operations(Oc) ∨ 	16 Copy of Bank Guarantee	Choose File No file chosen Allowed file PDF upto 10MB
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Financial Assurance	18 Copy of MDPA (as applicable)	Choose File No file chosen
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Financial Assurance	2 Copy of lease deed executed	Choose File No file chosen Allowed file PDF upto 10MB
Review Annexures	3 Copy of Environment and Forest Clearence, Consent to Establish, Operate	h, Consent to Choose File No file chosen Allowed file PDF upto 10MB
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13.1 Upload Document:

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Sustainable Mining V		Allowed file PDF, KMZ upto 10MB
☐ Mine Closure Plan ∨	SURFACE PLAN (KMZ FORMAT)(GEOREFERENCED) [A statutory plan as per MCDR, 2017. The Plan should be submitted showing different relies and a fer (1) when plan is Evenerative area(2) Evenerative area (2)	
Financial Assurance V	2 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	Choose File No file chosen Allowed file PDF, KMZ upto 10MB
Review V	other details.]	
Annexures 🗸	SURFACE GEOLOGICAL PLAN OF THE LEASE (.KMZ FORMAT)(GEOREFERENCED) [The Plan should be submitted showing different color codes for : (1)	
Plates(Oc)	3 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 1	Allowed file PDF, KMZ upto 10MB
Upload Document	eounoj	
Upload Document	Geological sections with different color coding depicting all the features shown in	Choose File No file chosen
🛓 Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
IBM ≡		Session time: 23 : 07 - ACC Limited Mine Owner
🟠 DASHBOARD	FIVE YEAR PRODUCTION AND DEVELOPMENT SECTIONS (IN PDF FROMAT)	
General Information V	6 [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
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 Image: Mineral Beneficiation Mining Operations(Oc) ∨ 	1111 (11) Yearwise excavated area Reclaimed & rehabilitated for year 1 to V(2) Year wise durp area to be scavated area Reclaimed & rehabilitated for year 1 to V(2) Year wise Green area proposed from year 1 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

PROGRESSIVE MINE CLOUSER SECTIONS (IN POF FORMAT) [Year wise Progressive mine clouser sections showing all the yearwise reclamation, rehabilitation proposals as depicted in the Progessive mine clouser plan.]

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.]

GEO REFERENCED CADASTRAL PLAN [Duly certified by the State Government]

ENVIRONMENTAL PLAN (.KMZ FORMAT)(GEOREFERENCED) 11 [As per MCDR, 2017 indicating all the details.]

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Financial Assurance V	13 FIVE YEAR PRODUCTION AND DEVE	LOPMENT SECTIONS (IN PDF FORMAT)		Choose File No file chosen Allowed file PDF, KMZ upto 10MB	

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Image: Mining Operations(Oc) Image: Sustainable Mining	SURFACE PLAN (KM2 FORMAT)/GEOREFERENCED) [A statutory plan as per MCDR, 2017. The Plan should be submitted showing different color codes for (1) Active Plts & Excavation area(2) 2 Excavated area reclaimed & rehabilitated (3) Active dumps (4) Stabilized & rehabilitated dump area, (5) Green bet(6) Mineral Stacks (7) Utilities such as plant, buildings etc (8) Lease boundary along with other details.]	No file chosen Allowed file PDF, KMZ upto 10MB
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14) 11B Plates (UG)

• Please refer 11A Plates (OC) for this section.



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 - 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.
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Indian Bureau of Mines	MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)	GOVERNMENT OF INDIA
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Mineral Beneficiation	Payment Details	
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🖹 Sustainable Mining 🗸	How To Do Online Payment	
🚔 Mine Closure Plan 🗸 🗸	Link To Payment Online :bharatkosh.gov.in	
📄 Financial Assurance 🗸	➔ FAQ on payments	
🚔 Review 🗸	➔ PAO/DDO to whom payment is to be made : RAGHUBIR GARG	
🚔 Annexures 🗸 🗸		
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	PAO/DDO Name * RAGHUBIR GARG (DD0447)	

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$\begin{bmatrix} \Delta \\ \equiv \end{bmatrix}$ Mining Operations(Oc) \sim	PAO/DDO Name *	RAGHUBIR GARG (DDO447)		
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	Li : Lesse Details	Chapter 1 : Ge	neral Information	
1	IBM Registration Number :		IBM/256/2011	1
	Lease Code :		48849601	1
	Mine Code :		38MPR18111	1
	Name of Lessee :		ACC Limited	1
	Address of Lessee :		Cement House 121, M K Road Mumbai	1
	Type of Lessee :		PSU	1
2	Name of Mining Lease :		MEHGAON	
	State :		MADHYA PRADESH	1
	District :		KATNI]
	Tehsil/ Taluk/ Mandal :		Vijayraghavgarh]
	Village :		Mehgaon]
	Lease Area (Ha) :		1520.22	
3	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.

🧕 Indian Bureau of Mines	MINING TEN Mining Plan A	EMENT SYSTEM Approval System (MPAS)	BOVERNMENT OF MINES
IBM =		Session time: 23 : 39	✓ M/s NU Vista Limited Mine Owner
🟠 DASHBOARD		75000	
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Geology(Oc) V	PAO/DDO Name *	Balkrishna Arora (DDO513)	
Mineral Beneficiation 🗸		· · ·	
Mining Operations(Oc) ~	Date of Transaction*	08-12-2022	
📄 Sustainable Mining 🗸	Upload Payment Receipt*	Attach File : Copydemo.pdf Choose File No file chosen	
Mine Closure Plan 🗸		File type: PDF, jpg & max size upto 2 M	В
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DASHBOARD	Final Submission PDF: Preview	
General Information ∨	I hereby state that I have no objection in authenticating myself with Aadhaar based authentication system and consent to providing my Aadhaar number. Biometric and/or One Time Pin (OTP) data for Aadhaar	
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💑 Indian Bureau of Mines	© Final Submission	MINISTRY OF MINES GOVERNMENT OF INDIA
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• Enter Aadhar Number& check Aadhar OTP button, OTP will be send to your registered mobile number.

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OTP has been sent to mobile number <******6555>	
Submit Cancel	Not Received OTP2 Resend OTP

• Window pops up with requesting and redirected back to application.

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- 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**.

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• To change **Pending** status to **Approved** need to login with **DDO**.