



Mining Plan Approval System- Review from Industry Perspective

By

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Disclaimer

The views expressed here are solely based on experience faced during the Preparation of Review and Updation of Mining Plan for one of our Mining Leases and has nothing to point out against the regulatory frame work governing Indian Mineral Industry.

Views/Recommendations presented here are keeping in view the acceptability across the industry to maintain greater part of clarity with ease of implementation w.r.t to ground truth.



Background

Digital Transformation in Indian Mining Industry

- 1 Mining Tenement System (MTS) being developed by the Indian Bureau of Mines to synergize entire Life Cycle activity of a Mine including all statistical information.
- 2 Facilitates Interdepartmental, Intergovernmental access to data modules.
- 3 Mining Plan Approval System (MPAS) is part under MTS module which has been developed by the Indian Bureau of Mines jointly with National Informatics Center, New Delhi.
- 4 Circular from Office of The CCOM vide letter No.R-11013/1/TMIS/MISC/2016/CCOM dated 01.07.2022 stated that and we Quote **“No Mining Plan submissions shall be accepted after 12.07.2022 in any other mode other than through the Online portal i.e www.miningplan.ibm.gov.in”**

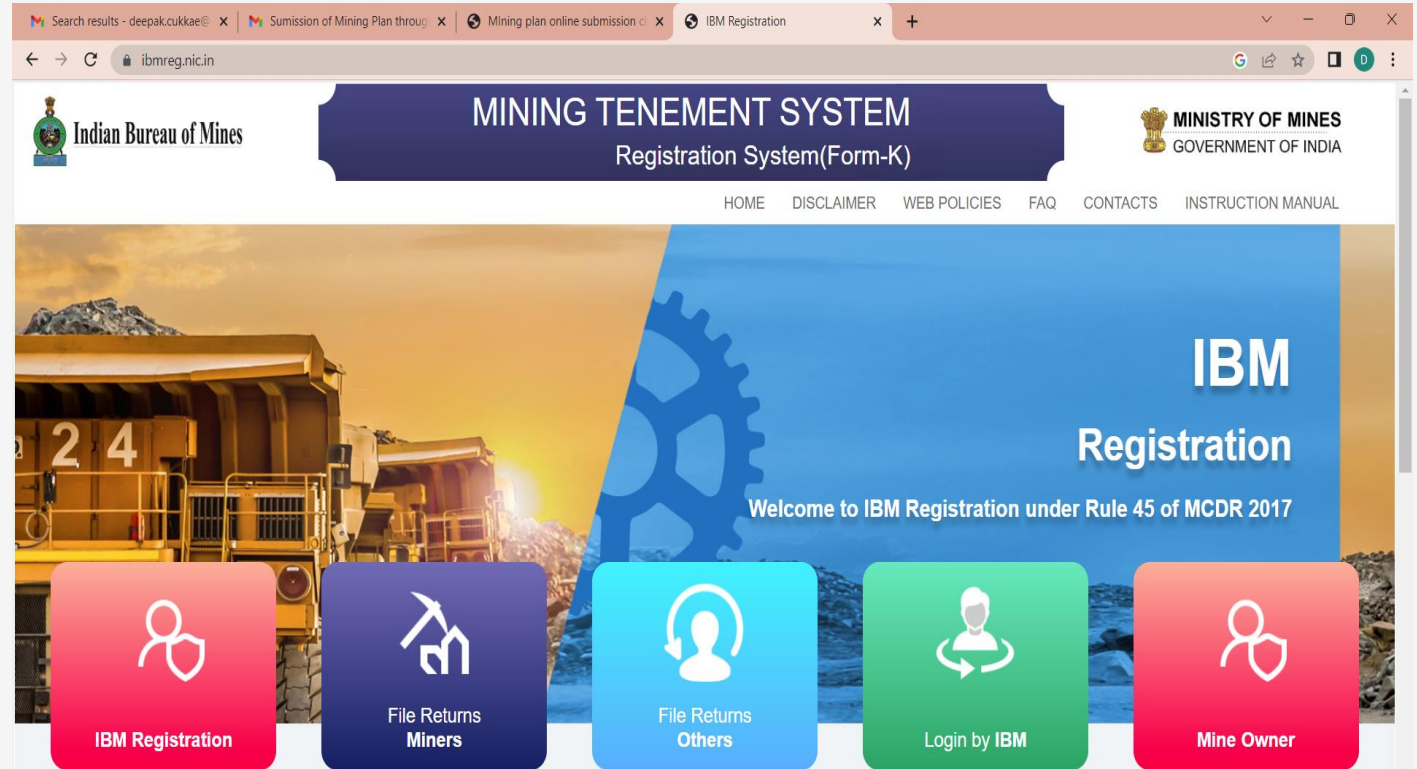


Pre-requisite for Preparation of Mining Plan in MPAS

Registration/ Re-editing of Particulars of Form-K previously approved by the Office of RCoM in the new portal of the ibmreg.nic.in

Things to remember.

- Information furnished in Form-K will be very vital which will be linked to MPAS.
- Correct furnishing of information of Main & Associated Mineral.
- Correct furnishing of Particulars of Nominated Owner, Boundary co-ordinates, Lease particulars, EC and PCB Consent Quantities.
- Upon due approval from the Regional Controller of Mines, the particulars of mine details will get fetched onto the Mining Plan approval system.



Views in Chapter-1

Section 1.1.1

- 1 Lease execution date and Registration date are two different dates. System has been developed that it captures only date of lease deed execution date also in Lease Registration Date and **No other date later than execution date it accepts- View.**

The screenshot displays the Mining Tenement System (MPAS) interface. At the top, the header includes the Indian Bureau of Mines logo, the system title 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines logo. The user is identified as 'THE SANDUR MANGANESE & IRON ORES LTD Mine Owner' with a session time of 20:29. A progress bar at the top shows 11 steps, with step 1 highlighted. The left sidebar contains a navigation menu with options like 'General Information', 'LeaseDetails', 'Lease Details', 'InitialLeasedetails', 'MPSubmissionCriteria', 'Land Ownership Details', 'Existing Lease', and 'StatutoryCompliances'. The main content area is titled 'General Information' and '1.1 Lease Details', with a sub-section '1.1.1 Initial Subsequent Lease Grant Details'. A table below shows columns for 'Grant', 'From', 'To', 'Lease deed execution date', and 'Lease registration date'.

Grant	From	To	Lease deed execution date	Lease registration date
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Views in Chapter-1

Section 1.3.1

2

Review of the provision to upload previous approved copy of the mining Plan approval letters as Annexures- **Recommendation**.

Indian Bureau of Mines

MINING TENEMENT SYSTEM
Mining Plan Approval System (MPAS)

MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 23 : 53 THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

DASHBOARD

- General Information
- LeaseDetails
- Land Ownership Details
- Existing Lease
- EarlierMP&Reviews
- SurrenderdArea
- TransferofLease
- StatutoryCompliances
- Geology(Oc)

General Information

1.3 Existing Lease

1.3.1 Existing Lease

Date of Execution:

01-01-2014

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

Sr.no	Letter Number	Date	Period		Type Of Approved Document	Remark
			From	To		

Views in Chapter-2

Section 2A.2.1.5 EXPLORATION-1

3

Under pitting when particulars for individual Pit ID is furnished in the Latitude and Longitude it will be only one central point for the Pit, Hence From & To has to be removed and Single location Point in UTM has to be sought for as all plans and Section are in UTM-

Recommendation

The screenshot displays the Mining Tenement System (MPAS) web application interface. The header includes the Indian Bureau of Mines logo, the title 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines, Government of India logo. The user is logged in as 'THE SANDUR MANGANESE & IRON ORES LTD' with a session time of 20:25. The left sidebar shows a navigation menu with 'Pitting' selected. The main content area is titled 'Geology & Exploration (OC) 2A.2 Exploration' and contains a form for '2A.2.1.5 Pitting'. The form includes a 'Number of Pits' input field and a table for recording pit details.

2A.2.1.5 Pitting								
Number of Pits								
Please Enter Number of Pits								
Pit ID	Running mtr	Litho units exposed	Name of the radical	Av Grade(in %)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
					dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss	dd:mm:ss.ss

Views in Chapter-2

Section 2A.2.1.9 Sampling

- 7 Previously during the time of our submission of document there was no specification of latitude and longitude, Now subsequent to revision this has added up. **Changes introduced** . Where ever are given in DD:MM:SS.SS it is to be sought in UTM for easy correlation with Plans and Section- **Recommendation**

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IBM | Session time: 23 : 07 | THE SANDUR MANGANESE & IRON ORES LTD Mine Owner

Mining Plan Approval System (MPAS) ● Filled ● Referred ● Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.9 Sampling

SI.No	Type of sample	No of samples collected	Number of samples analyzed	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Remark if any
				From	To	From	To	

Views in Chapter-2

Section 2A.2.1.10 Chemical Analysis

- 8 Particulars sought in this section is for Hole wise Chemical Analysis Certificate which will be PDF complainant. But foot note indicating that the particulars to be in CSV format for Collar, Survey, Geology, Assay hole wise doesn't make sense- **Opinion**. CSV files for the entire holes drilled during the last Plan period can be provided as single consolidated file rather than hole wise data- **View**.

Indian Bureau of Mines

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MINISTRY OF MINES
GOVERNMENT OF INDIA

IBM Session time: 23 : 49 THE SANDUR MANGANESE & IRON ORES LTD Mine Owner

Mining Plan Approval System (MPAS) Filled Referred Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Geology & Exploration (OC)
2A.2 Exploration

2A.2.1.10 Chemical Analysis

Sl. No.	Sample ID	Minerals	Radical with garde in %	Name of Agency	Type of agency	Attachment
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Views in Chapter-2

Section 2A.2.2.3 Ore body Geometry & Grade

12

When more than one mineral (Associated Mineral) is involved, make provision for separate entry of all the particulars under one more subheading of Associated Mineral- **Recommendation.**

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GOVERNMENT OF INDIA

IBM

Session time: 23 : 53

THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

Mining Plan Approval System (MPAS)

1 Filled 2 Referred 3 Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Geology & Exploration (OC)
2A.2 Exploration

2A.2.3 Ore Body Geometry & Grade

SI.No	Name of the ore band	General Strike / Trend	Dip Of Mineral Body	Average Strike Length (m)	Average Width (m)	Average Depth (m)	Chemical parameters	
							Name of the radical	Min Grade (%)

Views in Chapter-2

Section 2A.2.4.2, Resource Calculation, 2A.2.4.11 Blocked Resource Calculation, 2A.2.4.12 Reserve Estimation

13

- Make Provision for separate mineral wise entry when multiple minerals are involved -**Recommendation.**
- Recovery % column to be added in place of depth such that Sectional Area X Influence X Recovery % gives volume - **Recommendation.**
- Auto validation of total not happening -**Resolving necessary** either Auto Validation to be corrected or provision for manual entry in total column .
- Explore the possibility for providing the option uploading data in CSV file Section of Reserves and Resources rather than manual entry which is highly time consuming and possibility of errors in entry -**Recommendation.**

The screenshot displays the Mining Tenement System (MPAS) interface. At the top, it features the Indian Bureau of Mines logo and the Ministry of Mines, Government of India. The main header reads "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)". The user is logged in as "THE SANDUR MANGANESE & IRON ORES LTD" with a session time of 23:32. A progress bar at the top shows 11 steps, with steps 1 through 10 completed (green) and step 11 (yet to be filled, red). The current view is "Geology & Exploration (OC)" under the "2A.2.4 Reserve / Resource Estimation Method". A sub-section titled "2A.2.4.2 Resource Calculation" is highlighted in blue. Below this, a table is visible with the following columns: SI. No., Cross section/Blocks, Sectional Area/Block area (sq mtr), Influence (m), Depth in mtr, Volume (m³), Bulk Density (t/m³), Resource Quantity (t), and Level of Exploration.

SI. No.	Cross section/Blocks	Sectional Area/Block area (sq mtr)	Influence (m)	Depth in mtr	Volume (m³)	Bulk Density (t/m³)	Resource Quantity (t)	Level of Exploration
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Views in Chapter-2

Section 2A.2.5.3, Future Exploration Proposal- Pitting, 2A.2.5.4 Future Exploration Proposal-Trenching

16

- When for the FY data is furnished for the Pitting, cumulative no of pits/ trenches proposed during the FY can be sought for instead of each pit/trench id, the detailed particulars for the proposed pits and trenches can be sought in the format of Annexure for better reconciliation- **Opinion.**
- Explore the possibility of providing option for providing csv format to proposed exploration proposal- **Opinion.**

The screenshot shows the Mining Tenement System (MPAS) web application interface. The header includes the Indian Bureau of Mines logo, the title "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)", and the Ministry of Mines, Government of India logo. The user is logged in as "THE SANDUR MANGANESE & IRON ORES LTD" with a session time of 22:49. The main content area is titled "2A.2.5 Future Exploration Proposal" and contains a section for "2A.2.5.3 Pitting". This section has a "Number of Pits" label and a text input field with the placeholder "Please Enter Number of Pits". Below this is a table with columns for "SI. No.", "Year", "Land type", "Pit ID", "Length of Pit (m)", "Width of Pit (m)", "Depth of Pit (m)", and "Latitude (dd:mm:ss.ss)". The table is currently empty.

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Session time: 22 : 49

THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

DASHBOARD

- General Information
- Geology(Oc)
- Topography
- Exploration-1
- Exploration-2
- Exploration-3

2A.2.5 Future Exploration Proposal

2A.2.5.3 Pitting

Number of Pits

Please Enter Number of Pits

SI. No.	Year	Land type	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Latitude (dd:mm:ss.ss)	
							From	To

Views in Chapter-2

Section 2A.2.5.7 Sampling

18 Year wise filling of particulars has been added now- **Changes made.**

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Mining Plan Approval System (MPAS) | Filled Referred Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

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

2A.2.5.7 Sampling

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

Views in Chapter-3

Section :3.5.1 Screening & Classification

21

- Make provision for entry of Special characters in Feed Size to facilitate multiple entries-**Recommendation.**
- Make provision for additional of items under product quality for a single equipment entries - **Recommendation..**

The screenshot displays the Mining Tenement System (MPAS) interface. At the top, it features the Indian Bureau of Mines logo and the Ministry of Mines, Government of India. The main header reads 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)'. The user is logged in as 'THE SANDUR MANGANESE & IRON ORES LTD' (Mine Owner) with a session time of 23:26. A progress bar at the top shows 11 steps, with step 3 highlighted. The main content area is titled 'Mineral Beneficiation' and '3.5 Dry Processing'. Underneath, the section '3.5.1 Screening and Classification' is active, with a radio button set to 'Applicable'. A table is provided for data entry:

Sl. No.	Type of screen / classifiers	Stages	Make	Capacity (tph)	Aperture Size of Screen/Classifier (mm), if applicable	Feed Size (mm)	Product Size (mm)	Product quality (if applicable)
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Views in Chapter-3

Section :3.6.7 Product Quality

22

Make provision for entry of Special characters in Size (range) as product varies from mm to micro meter - **Recommendation.**

The screenshot displays the Mining Plan Approval System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system title "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)", and the Ministry of Mines, Government of India logo. The user is logged in as "THE SANDUR MANGANESE & IRON ORES LTD" (Mine Owner) with a session time of 22:13. A progress bar at the top shows 11 steps, with step 3 highlighted. The main content area is titled "Mineral Beneficiation 3.6 Wet Processing" and contains a sub-section "3.6.7 Product Quality". This section features a table with the following data:

Products	Wt %	In tonnes	Size (range) mm	Complete chemical analysis
Concentrate	0.0000	0.0000	0	0
Sub-grade	0.0000	0.0000	0	0
Rejects	0.0000	0.0000	0	0

Views in Chapter-4

Section : 4A.2.1.2.1 & 4A.2.1.2.2 Inventory of Dump/Stack Details

23

Previously, against the Dump ID no Location was sought, now the location (extents) has been incorporated- **Changes Made** . It would be better if these extents are sought in UTM.

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Mining Plan Approval System (MPAS)

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Session time: 23 : 49

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Mine Owner

Mining Plan Approval System (MPAS)

Filled Referred Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Mining Operation(OC)

4A.2.1 Inventory Of Existing Pits & Dumps

4A.2.1.2 Dumps & Stack

4A.2.1.2.1 Dump Details

S.No.	Dump ID	Dump Status	Type of Dump	Total Dump Quantity (t)	Area covered by Dump (Ha)	Height (m)	Latitude (dd:mm:ss.ss)	
							From	To

Views in Chapter-4

Section : 4A.2.2.1 Year wise Opencast Development

- 25 **Recommendation.** Separate provision for Year Wise/Mineral wise furnishing of Particulars when Associated mineral (multiple mineral) is involved. –

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IBM | Session time: 23 : 08 | THE SANDUR MANGANESE & IRON ORES LTD | Mine Owner

Mining Plan Approval System (MPAS) | Filled | Referred | Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Mining Operation (OC)
4A.2.2 Opencast Mining

4A.2.2.2 Yearwise Opencast Development - I Continue

Sr No	Year	Pit ID	Bench	Direction	Bulk Density of Overburden (BD1) (ton/m ³)	Bulk Density of Ore (BD2) (ton/m ³)	Top Soil Volume (Length x Width x Height) (m ³)	Over Burden Volume (Length x Width x Height) (m ³)
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Views in Chapter-4

Section : 4A.3.2 In-situ Mining

27 When multiple minerals are involved please make provision for entry of associated mineral separately- **Recommendation**

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Session time: 23 : 45 | **THE SANDUR MANGANESE & IRON ORES LTD**
Mine Owner

IBM | **DASHBOARD**

- General Information
- Geology(Oc)
- Mineral Beneficiation
- Mining Operations(Oc)
- Mining Method
- Existing Pits/Dumps
- Opencast Mining
- Material Handling

Mining Plan Approval System (MPAS)

1 2 3 4 5 6 7 8 9 10 11

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

4A.3.2 Insitu Mining

Sr No	Year	Waste Quantity (t)	ROM Quantity (t)	Total Handling (t)	ROM Quantity Saleable Mineral (t)	ROM Quantity Mineral Reject (t)	Ore to OB Ratio (ROM Quantity / Waste Quantity)	Grade Range (%)
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Views in Chapter-4

Section : 4A.3.3 Dump Workings

28 Previously, Co-ordinates were not sought, now modifications made seeks co-ordinate of dump workings- **Changes made.**

The screenshot displays the Mining Tenement System (MPAS) interface. At the top, the Indian Bureau of Mines logo is on the left, the title 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)' is in the center, and the Ministry of Mines, Government of India logo is on the right. Below this is a dark navigation bar with 'IBM' on the left, a session time of '23 : 38' in the center, and 'THE SANDUR MANGANESE & IRON ORES LTD Mine Owner' on the right. The main content area is titled '4A.3 Material Handling Summary' and contains a sub-section '4A.3.3 Dump workings'. On the left side of the interface is a sidebar menu with 'DASHBOARD' and four expandable items: 'General Information', 'Geology(Oc)', 'Mineral Beneficiation', and 'Mining Operations(Oc)'. The '4A.3.3 Dump workings' section contains a table with the following structure:

Sl. No.	Year	Dump Id	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Area (m2)	Avg Height of Dump (m)
			From	To	From	To		

Views in Chapter-4

Section : 4A.7.1, 4A.7.2 ,4A.7.3 & 4A.7.4 – Existing Dump, New Dump, Existing Stack, New Stack

29

- Previously Co-ordinates were not sought, now modifications made seeks co-ordinate of dump workings-**Changes made.**

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GOVERNMENT OF INDIA

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Session time: 23 : 56

THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

Mining Plan Approval System (MPAS)

1 Filled 2 Referred 3 Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Mining Operation(OC)
4A.7 Waste Management

4A.7.1 Existing Dump

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

Views in Chapter-4

Section : 4A.7.1, 4A.7.2 ,4A.7.3 & 4A.7.4 – Existing Dump, New Dump, Existing Stack, New Stack

30

- Previously Co-ordinates were not sought, now modifications made seeks co-ordinate of dump workings- **Changes made.**
- Make Provision in Chapter-4 to write any Remarks limited to 2000 characters to give any vital inputs in the chapter- **Recommendation.**

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Session time: 23 : 56 THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

Mining Plan Approval System (MPAS)

Filled Referred Yet to be filled

1 2 3 4 5 6 7 8 9 10 11

Mining Operation(OC)
4A.7 Waste Management

4A.7.1 Existing Dump

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

Views in Chapter-6

Section : 6.2.1- Backfilling

32

Particulars against year wise qty of backfilling in m^3 to be sought and co-ordinates of back filling to be sought for ease of compliance and verification- **Recommendation.**


The screenshot displays the Mining Tenement System (MPAS) web application interface. The header includes the Indian Bureau of Mines logo, the title "MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)", and the Ministry of Mines, Government of India logo. The user is logged in as "THE SANDUR MANGANESE & IRON ORES LTD" with a session time of 23:51. The left sidebar contains a navigation menu with options like Dashboard, General Information, Geology(Oc), Mineral Beneficiation, Mining Operations(Oc), Sustainable Mining, Mine Closure Plan, Status Of Land, and Reclamation Plan. The main content area is titled "Progressive Mine Closure Plan" and "6.2 Progressive Reclamation And Rehabilitation Plan". Under "6.2.1 Backfilling", there are three input fields for "Quantity of Waste / Fill Material Available at Site (m^3)", "Availability of Top Soil for Spreading (m^3)", and "Proposed Spread Area (m^2)". Below this is a sub-section "6.2.1.1 Year Wise Proposal" with a table structure.

Sr No.	Year	Pit ID	Area (m^2)	Top RL	Bottom RL	Estimated Expenditure (₹ INR)
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Views in Chapter-6

Section : 6.2.2.2.2 & 6.2.2.3- Retaining wall & Garland Drain

33 When in multiple pits construction is involved for retaining wall garland drain, provision for additional rows to be made for having better clarity for implementation- **Recommendation.**


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MINING TENEMENT SYSTEM
 Mining Plan Approval System (MPAS)


MINISTRY OF MINES
GOVERNMENT OF INDIA

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Session time: 23 : 39
THE SANDUR MANGANESE & IRON ORES LTD
Mine Owner

DASHBOARD

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

6.2.2.2 Protective measures (Please specify running meter)

6.2.2.2.1 Fencing

Year	Proposed Fencing Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2023-2024	250	15:04:4			15:04:0
2024-2025	0	0:0:00			0:0:00
2025-2026	0	0:0:00			0:0:00
2026-2027	0	0:0:00			0:0:00
2027-2028	0	0:0:00			0:0:00

6.2.2.2.2 Retaining Wall

Year	Proposed Wall Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2023-2024	213	15:04:2			15:04:0
2024-2025	105	15:04:2			15:04:0
2025-2026	50	15:06:2			15:06:0
2026-2027	485	15:04:2			15:04:0
2027-2028	0	00:00:0			00:00:0

6.2.2.2.3 Garland Drains

Year	Proposed Bund Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2023-2024	213	15:04:2			15:04:0

Views in Chapter-8

Section : 8.1.1: Lease Area Utilisation

- 34 Correlation of Land use is not happening as AUTO SUM has been enabled and this auto validation is creating problem when filing particulars on reclaimed area of dump- **Resolving Necessary**.

The screenshot displays a software interface with a sidebar menu on the left and a main content area on the right. The sidebar menu includes the following items: Lease Details, InitialLeasedetails, MPSubmissionCriteria, Land Ownership Details (with a dropdown arrow), Existing Lease (with a dropdown arrow), StatutoryCompliances (with a dropdown arrow), Geology(Oc) (with a dropdown arrow and a document icon), Mineral Beneficiation (with a dropdown arrow and a document icon), Mining Operations(Oc) (with a dropdown arrow and a document icon), Sustainable Mining (with a dropdown arrow and a document icon), Mine Closure Plan (with a dropdown arrow and a document icon), and Financial Assurance (with a dropdown arrow and a document icon). The main content area is titled 'Review of previous proposals during the last plan period(not applicable for fresh grant)' and '8.1 General'. Below this, there is a section header '8.1.1 Lease Area Utilisation' and a table with the following structure:

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

Views in Chapter-8

Section : 8.2.5: Back Filling

- 35 • Site co-ordinates of back filling it is neither taking UTM/DD: MM:SS.SS format- **Resolving Necessary.**

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Mining Plan Approval System (MPAS) | Mining Plan Approval System (MPAS) | GOVERNMENT OF INDIA

Session time: 23 : 48 | THE SANDUR MANGANESE & IRON ORES LTD (Mine Owner)

IBM | Mining Plan Approval System (MPAS)

1 Filled 2 Referred 3 Yet to be filled 4 5 6 7 8 9 10 11

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

8.2 Technical Details

8.2.5 Backfilling

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Site (Co-ordinates)				DUMPING WITHIN

Views in Chapter-8

Section : 8.2.5: Production of Minerals

36

- Total is not getting validated under cleaned Ore- Discussed with CoM-MTS, it has been opined to be Software issue - **Resolving Necessary**.
- Make provision for mineral wise entry when multiple mineral is involved- **Recommendation**.

The screenshot displays the Mining Tenement System (MPAS) interface. The header includes the Indian Bureau of Mines logo, the system name 'MINING TENEMENT SYSTEM Mining Plan Approval System (MPAS)', and the Ministry of Mines, Government of India. The user is logged in as 'THE SANDUR MANGANESE & IRON ORES LTD' with a session time of 23:49. The main content area is titled 'Review of previous proposals during the last plan period(not applicable for fresh grant)' and '8.2 Technical Details'. A sub-section '8.2.6 Production of Mineral(s)' contains a table with the following structure:

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.6.1 : ROM				
Opencast				
8.2.6.2 : Cleaned Ore				
Opencast				
Dump Mining				
Recovery from Mineral Rejects or Tailings				
Total				

View on Annexures & Plates

- Under Any other option- pls make provision to add another 3-4 tabs to insert the data- **Recommendation.**
- PDF copies of Plates should be sealed and approved by Regional Offices as only KML files will not serve as authenticated to Inter departmental Submissions for obtaining various statutory Clearance & also for Ground truth verification and implementation also at mine level hard copy of plans are preferable- **Recommendation.**
- Provision of Cover Page to be made-**Recommendation.**
- The vital pages of the document like production & Development- Digitally Signed by RCOM- **Opinion .**



THANK YOU