

MCDR-MIFLOBYT/4/2024-IBM-RO-JBP  
**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Reporting Year 2022-23**

I/34021/2024

**General Information**

S. N.	Particulars	Details
1	Name of the Mine	Tamar Bauxite Mine
	Date of Inspection:	28.05.2024
	Name of Inspecting Officer	Shri. Kathroju Naveen, Sr Asst controller of Mines
	Name of the persons accompanied with inspecting officer with designation	Shri. Yogesh Pandey (Lessee Representative) Shri. Mayank Singh Parihar Mining Engineer. Shri.
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	21.00 ha
3	Mine code	07MPR35077
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/7404/2011
5	Name of the Lessee, Address, Phone, email and fax number	Madhya Pradesh State Mining Corporation Ltd Paryawas Bhawan, Block No.01 Second Floor (A), Jail Road , Arera Hills, Bhopal (M.P) -462011 Email: <a href="mailto:info.mpsmc@mp.gov.in">info.mpsmc@mp.gov.in</a>
6	Village	Tamar & kirkiran
7	Taluka/Mandal	Majhgawan
8	District	Satna
9	Pin code	485331
10	State	Madhya Pradesh
11	Post Office	Majghawan
12	Nearest Police Station	Majghawan
13	Nearest Railway Station	Satna
14	Date of Grant of Mining Lease	31.05.2023
15	Date of Execution	04.07.2023
16	Date of opening of Mine	04.03.2024
17	Date of First Renewal, if applicable and its period & expiry	N.A.
18	Date of Second Renewal, if applicable and its period & expiry	N.A.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Atul Sharma, CGM MP State Mining Corp. Ltd Paryawas Bhawan, Arera Hills, Bhopal (M.P.) Email: <a href="mailto:info.mpsmc@mp.gov.in">info.mpsmc@mp.gov.in</a>

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		Date of appointment 08.09.2020
21	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mayank Singh Parihar(2 <sup>nd</sup> Class Mines Manager) Post – Birsinghpur, Disttt. Satna (M.P.) Mob.- 9340160882 Email- <a href="mailto:pariharsahab14@gmail.com">pariharsahab14@gmail.com</a> Experience 06 years. Date of Appointment: 04.03.2024
22	Name of the Mining Engineer & Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mayank Singh Parihar (Mining engineer) Post – Birsinghpur, Disttt. Satna (M.P.) Mob.- 9340160882 Email- <a href="mailto:pariharsahab14@gmail.com">pariharsahab14@gmail.com</a> Experience 06 years. Date of Appointment: 04.03.2024  Surendra Kumar Kushwaha(Geologist) Post – Birsinghpur, Disttt. Satna (M.P.) Mob.- 9630763021 Email- <a href="mailto:surendrakushwaha89@gmail.com">surendrakushwaha89@gmail.com</a> Experience 11 years Date of Appointment: 24.05.2024
23	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per rule.	yes
24	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	No. MP/satna/Bauxite/MPLN/G-04/2021-2/110, Dated: 27.01.2022
25	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	N.A.
26	Mineral(s) granted in lease and approved for Mining	Bauxite
27	Method of Mining (Opencast, Underground)	Opencast
28	Category (Fully Mechanized, Others or Manual)	Other
29	Captive/Non-Captive	Non-captive

**Exploration**

S. N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Proposed 6 bore holes in Year 1 i.e 2023-24	Nil	Exploration has not been carried out as proposed against which violation issued under Rule 11(1).
1b	Exploration over lease area for Geological axis 1 or 2.	Proposed 6 bore holes in Year 1 i.e 2023-24	G2 : 12.50 ha Un explored: 8.50 ha	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Not available	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Proposed to bring entire lease area under G1 by end of year 3	8:50 ha area to be explored to bring it to the G2 level further exploration is to be done as proposed to being under G1 level	
1e	Balance reserves as on 01.04.2023	122: 501896 T 222:52650 T	122: 501961 T 222: 52650 T	
1f	Brief of Geology of lease area & Exploration etc.	As per the last approved mining plan the reserves available as on 01.11.2021 are 122: 511461 T out of which it is proposed to produce 9565 T against which 9500t produced.		

**Development**

S. N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E 501603 , N 2751155 to E501669,N 2751197	As per the proposal.	

2b	Separate benches in topsoil overburden and mineral	Proposed Mineral bench 3 m	Mineral bench 3 m	
2c	Stripping ratio or ore to OB ratio	Not proposed	Nil	
2d	Quantity of topsoil generation in m <sup>3</sup>	Not proposed	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	Not proposed	Nil	
2f	Brief of development of pit w.r.t. type of deposit etc	The OB excavations not proposed in the first year however IB generated from the ROM Is proposed as 30% of the Excavated Volume.		

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### Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed (2022-23)	Proposed 13664 T	13570 T	
3c	Recovery of Salable/usable mineral from ROM production	9565 T	9500T	
3d	Quantity of mineral reject generation	4099 T	4070 T	The generated quantity is IB
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	Inter burden is proposed as 30% of the ROM
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for	Yes	Yes as per proposal in	

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	method of mining proposed in MP/SOM			RMP max height 3 m	
3 m	Total area covered under excavation /pits	Proposed 5.50 ha during the plan period		4.10 ha covered under pits	
3n	Ore to OB ratio for the pit/mine during the year	Not proposed		Nil	
3o	Total area put in use under different heads at the end of year	Proposed 6.71 ha area during the proposal period.		5.31 ha reportedly covered till Reporting year.	
		2023-24	9565 T	2023-24	9500 T
3q	Brief details w.r.t. method of mining etc.	9500 T produced against the proposed quantity of 9565 T.			

### Solid Waste Management-Dumping

S. N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not proposed	No	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	Not proposed	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit	Not proposed	Nil	
4e	Number of Active & Alive dumps	Not proposed	Nil	
4f	Number of deed dumps	Not proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not	Nil	

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		proposed		
4k	Brief details regarding waste dump management	Waste dumping not proposed the interburden generated proposed in 7.5m barrier filling.		

### Solid Waste Management-Backfilling

S. N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Nil	
5b	Area under backfilling of mined out area	Backfilling not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not proposed	Not applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not applicable	
	Brief details regarding backfilling and reclamation etc.	Backfilling of 7.5m barrier is proposed during the reporting year (Year 1) which is not carried out against which the violation is issued under Rule 11(1).		

### Progressive Mine Closer Plan

S. N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly- Rule 26(2). Details should be given in the format as given in Annexure.	To be submitted	Due date has not completed	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	Nil	

	ii) Afforestation done (ha)	Not proposed	Nil	
	iii) No. of saplings planted during the year	Not proposed	Nil	
	iv) Cumulative no. of plants	Not proposed	Nil	
	v) Any other specific method of rehabilitation	Not proposed	Nil	
	vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D)	Proposed to fill 2600 Sq m in 7.50 barrier	Nil	Backfilling of 7.5m barrier is proposed during the reporting year (Year 1) which is not carried out against which the violation is issued under Rule 11(1).
	ii) Void filled by waste/tailings	Not proposed	Nil	
	iii) Afforestation on the backfilling	Not proposed	Nil	
	iv) Rehabilitation by making water reservoir	Not proposed	Nil	
	v) Any other specific means	Not proposed	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation	Proposed 500 plants	Not carried out	Violation is issued under Rule 11(1).
	ii) Area rehabilitation	0.43 ha	Nil	
	iii) Method of rehabilitation	Plantation	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes proposed	As per the proposal.	
6f	Brief details of PMCP compliance and progressive closure operations	The back filling in 7.5m barrier has not been carried out against and plantation has not		

etc.	MCDR-MiFLOBXT/4/2024-IBP-IBM RO-IBP been done as per the proposal against which the violation is issued under Rule 11(1).
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### Mineral Conservation

S. N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Proposed saleable ROM dispatch	ROM dispatch reported	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Vibratory screening	Manual sorting	
7c	Different grade of mineral sort out at mine	Not proposed	Nil	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	Brief details about Mineral conservation and beneficiation issues	Vibrating screen has not been established and erection work is under progress.		

### Environment

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines	Not proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed to backfill the 7.5m barrier zone with IB	Nil	Violation is pointed out under Rule 11(1).
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done	Proposed 500 saplings during the RY	Nil	Violation is pointed out under Rule 11(1).
8g	Survival rate	80	Nil	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per the proposal	
8i	Details regarding aesthetic beauty in and around mines area	The lease area covered with plants and herbs which will be compensated by the plantation proposals furnished the violation under Rule 11(1) is issued for backlog in plantation.		



Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

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S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	20/06/2024	-	-	-
02	31(4)	20/06/2024	-	-	-

**Name: Kathroju Naveen**

**Designation: Sr. Assistant Controller of Mines**