

**INSPECTION DATASHEET For The Year 2024-25****General**

S.N.	Particulars	Details
1	Name of the Mine	Jariyari Bauxite Mine
	Date of Inspection:	31/05/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.0 Hect.
3	Mine code	07MPR35114
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/21189/2017
5	Last Inspection Details	Inspecting officer – Shri Robert Simon C. ACOM Date of Inspection – 25/08/2023 Violation Point out – 11(1),12, 31(4), 33, 34A(2) & 45(7) vide letter dated 03/11/2023 Compliance considered rules 11(1),12, 31(4) & 33 on 18/12/2023. Show cause notice issued for violation of rule 34A(2) & 45(7) on 09/01/2024 and both the rules i.e 34A(2) & 45(7) considered complied on 25/01/2024 .
6	Mine official present during the inspection	Shri Shyam Gopal Saxen, Mining Engineer & Shri Shridhar Pandey, Geologist of the mine
7	Name of the Lease, Address, Phone, email and fax number	Lessee :- <b>Shri Mayank Gugalia, Director</b> M/s Jiwan Lime Chemicals Pvt. Ltd. Address : C/o Mahakaushal Refracties Pvt. Ltd Industrial Area, Katay Ghat Road Katni-483501 (MP) Email – <a href="mailto:info@jiwanlime.com">info@jiwanlime.com</a>
8	Village	Jariyari
9	Taluka/Mandal	Maihar
10	District	Maihar
11	Pin code	485771
12	State	Madhya Pradesh
13	Post Office	Maihar
14	Nearest Police Station	Maihar
15	Nearest Railway Station	Maihar
16	Date of Grant of Mining Lease	15/12/2014
17	Date of Execution	09/01/2017 (lease period upto 08/01/2067)
18	Date of opening of Mine	05/03/2021(working permission received)
19	Date of First Renewal, if applicable and its period & expiry	NA
20	Date of Second Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA

1/34068/2024	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	<b>Shri Mayank Gugalia, Director</b> M/s Jiwan Lime Chemicals Pvt. Ltd. C/o Mahakaushal Refracties Pvt. Ltd Industrial Area, Katay Ghat Road Katni-483501 (MP) Email <a href="mailto:info@jiwanlime.com">_info@jiwanlime.com</a>
	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Shyam Gopal Saxena, Adress, phone, email, fax number-As stated above Date of appointment-NA
24		
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Shyam Gopal Saxena, Diploma Mining and Ist class Mines Manager Certificate address, phone, email, fax number-As stated above Date of appointment-NA-
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. 05/05/2015(MP) per. 2016-17 to 2020-21 2. 20/07/2021(RMP) per.2021-22 to 2025-26
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	RMP approved on 20/07/2021 Proposal period- 2021-22 to 2025-26
29	Mineral(s) granted in lease and approved for Mining	Bauxite and Laterite
30	Method of Mining (Opencast, Underground)	Open cast
	Category (Fully Mechanized, Others or Manual)	Mechanised
	Captive/Non-Captive	Non-Captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	NA	Entire mineralized area was considered explored under G1 level after completion of proposed boreholes against 2021-22. However lessee had not submitted GSR based on additional exploration . Violation of rule 12(4B) proposed.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Entire mineralized area was considered explored under G1 level after completion of additional exploration work.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NOT proposed.	NOT applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	NOT proposed.	NOT applicable	
1e	Balance reserves as on 01.04.2024	122-112939T	122- 149496.09T	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area was considered under G1 level after completion of proposed exploration work against year 2021-22 in the approval of Review of Mining Plan		

I/34068/2024 approved on 20/07/2021.

**Development**

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2677452 to N2677512 and E495235 to E495385	Almost as per proposal	
2b	Separate benches in top soil overburden and mineral (Rule 15)	Separate benches in overburden and mineral proposed	Although there are two benches as proposed but both are on mineral. There is no overburden bench seen in the pit.	
2c	Stripping ratio or ore to OB ratio	1:0.35	As stated above there is no overburden / interburden generation	
2d	Quantity of topsoil generation in m <sup>3</sup>	2458cum	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	6787cum	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	As per proposal there are two benches in the pit, both are in mineral. There is no OB/Interburden in the lease area and bauxite of lease area is very high quality resulting as a result entire mineral produced from the mine have market as a bauxite. .		

**Exploitation**

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed (2022-23)	28361tones	25416tones	-
3c	Recovery of Salable/usable mineral from ROM production	65%	100%	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	-
3f	Quantity of sub-grade mineral generation	Nil	Nil	-
3g	Grade of sub-grade mineral generation	Nil	Nil	-
3h	Manual/Mechanized method adopted for segregation from ROM	Manual as well as Mechanised Method proposed for segregation	Manual as well as Mechanised Method proposed for segregation	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil		
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not applicable	

1/34068/2024	3k	Provision of mining machineries in mineral benches	Proposed	Hydraulic Shovel with 1cum bucket capacity and rock breaker facility.	-
	3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	-
	3m	Total area covered under excavation /pits	Not specified	About 1.5 ha	-
	3n	Ore to OB ratio for the pit/mine during the year	1:0.35	As stated above there is no overburden / interburden generation	-
	3o	Total area put in use under different heads at the end of year	3.929 ha at end of fifth year	3.929 ha at end of fifth year	-
	3p	Production of ROM mineral during the last five-year period as applicable	2019-20	42768	0
			2020-21	42768	0
			2021-22	28028	2809.5
			2022-23	28255	19860
			2023-24	28361	25416
	3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with rock breaker		

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Separate dumping of top soil & OB Proposed	There is no generation of top soil and OB so question do not arise.	Entire produce from the mine have market as a bauxite as bauxite of the lease area is high grade.
4b	Location of topsoil, OB & mineral reject dumps	Proposed soil dump on statutory barrier zone of 7.5m on eastern lease boundary line and OB/ Mine waste dumping on 75mX25m area marked on Northern portion of the lease area.	There is no generation of top soil and OB/ mine waste. Entire produced from the lease area have a market as a bauxite as bauxite of the lease area is high grade.	
4c	Number of Dumps within lease area and outside lease area	Three of Top soil and three of OB/Mine waste	None as entire produced from the mine have market.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Soil dumps Outside the UPL and OB/Mine waste dumps within UPL	Not applicable as there is neither top soil dumps nor OB/ mine waste dumps within lease area.	
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	Nil

1/34068/2024	4g	Number of dumps established	Nil	Nil	Nil
	4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
	4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
	4j	Number of settling ponds	Nil	Nil	Nil
	4k	Specific commends of inspecting officer on waste dump management	As stated earlier there is no separate soil, only lateritic soil with laterite and outcrops of refractory grade bauxite were seen in the area selected for excavation. Lateric soil mixed with laterite and fines of high grade bauxite is found separately stacked on proposed site as well as area from where mineral is excavated.		

### **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	Area not matures to start backfilling.	Nil
5b	Area under backfilling of mined out area	Not proposed.	Not observed, it was found that other than lump all the generated ROM were stacked on mined out area with an intension of screening.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not applicable as stated earlier.	Nil
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Not applicable as stated earlier.	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Backfilling of mined out area not proposed in view of hilly blanket deposit.		

### **Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2). Details should be given in the format as given in Annexure-20	To be submitted before 1st July of every year	Submitted with AR,2023-24.	None
6b	Management of worked/mined out benches	Nil	Nil	Nil

I/34068/2024	i) Area available for rehabilitation (Ha)	Not proposed	NA	-0.03 hect mined out area already rehabilitated in the past.
	ii) Afforestation done (ha)	Not proposed	NA	
	iii) No. of saplings planted during the year	Not proposed	NA	
	iv) Cumulative no. of plants	Not proposed	NA	
	v) Any other specific method of rehabilitation	NA	NA	Nil
	vi) Cost incurred on watch & care during the year	Not proposed.	NA	Nil
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Not proposed Not proposed Not proposed Not proposed Not proposed	NA NA NA NA NA	None
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	10 No 0.009 plantation	10 no. 0.009 Plantation	Green belt area.
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Periodic monitoring is being carried out by outsourced consultant.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch- Nil Dispatch of mineral proposed after manual sorting as well as screening at mine site	ROM Dispatch Nil Refractory grade bauxite dispatch- 20668T Cement Grade bauxite dispatch- 137.575tone	Nil

1/34068/2024	7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual as well as mechanical method	Manual as well as screening method is being used for segregation	Nil
	7c	Different grade of mineral sort out at mine	Refractory.	Refractory as well as cement grade.	-
	7d	Any beneficiation process at mines	NA	Nil	Nil
	7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation. ROM is being manually as well as mechanically screened at mine site before dispatch.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	Not applicable as there is no physically soil generation.	Nil
8b	Concurrent use or storage of topsoil	Proposed	Not applicable as stated above.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	In fact, there is no mine waste generation in the mine. Intercalated mine waste is also having market in cement industry through blending with fines of refractory grade bauxite.	.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	NA	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not applicable.	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	Plantation done in the lease area	
8g	Survival rate	80%	60%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	Water is required for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is not much satisfactory as survival rate of plantation are not up to that extent as proposed. Hence, it was instructed to lessee		

1/34068/2024		at the time of inspection for closely monitor survival rate of plantation.
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**Compliance of Rule 45**

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of May-24 and AR of 2023-24 has been submitted	AR for 2023-24 submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Shyam Gopal Saxena	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return <b>2023-24</b> Currant working: 0.949ha. OB/waste dump: 0.08 ha. Occupied by plant .. etc. 0.346 Green Belt: 0.534 ha.	OK
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 10saplings planted in the lease area with survival rate of 80%.	OK
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year.	OK
9f	Scrutiny of Annual return on ROM stock and/or grade ore	losing stock - i. ROM -Nil Tonnes ii. Refractory grade- 1021.795Tonne. lii. Cement Grade about-4689tone	As per AR,2023-24
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price & sale value Refractory grade : Rs.4300/- per ton and cement grade Rs. 975/- per tone Cost of production = Rs. 2564/72-per tone	OK
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 27279049/-	OK
9k	Scrutiny of Annual return on mining Machineris	DUMPER 10 TONNE - One WATER TANKER 20000LITRE - One PUMPS (NON-ELEC.) - One Back hoe 01 (bucket capacity 0.9cum)	OK

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

1. **Rule – 11(1) of MCDR 2017**
2. **Rule- 31(4) of MCDR 2017**



I/34068/2024

Date: 13/06/2024

Name:- Raghbir Sharan Garg

Designation: Assistant Controller of Mines