

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

S.N.	Particulars	Details
1	Name of the Mine	Chitti Bauxite, Laterite, Ochre and Clay Mine
	Date of Inspection:	24/06/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	9.71 Hect.
3	Mine code	07MPR33016
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/14332/2012
5	Last Inspection Details	Inspecting officer – Shri Abhishek Ranjan Gautam, AME Date of Inspection – 30/01/2023 Violation Point out – 11(1),27(2), 31(4), 33, 34A(2) & 55 vide letter dated 28/02/2023 Compliance considered rules 11(1),27(2) 31(4), 34A(2) & 55 on 06/10/2023.
6	Mine official present during the inspection	Shri Jagdish Dhaneria himself and Shri Aditya Singh Geologist of the mine
7	Name of the Lease, Address, Phone, email and fax number	Lessee :- Sri Jagdish Dhaneria, Lessee Address : 119/1, Kumawatpura, Juni-Indore, Madhya Pradesh 452005 Email gmcrewa@gmail.com
8	Village	Chitti
9	Taluka/Mandal	Semariya
10	District	Rewa
11	Pin code	486445
12	State	Madhya Pradesh
13	Post Office	Kumhra Judwani
14	Nearest Police Station	Maihar
15	Nearest Railway Station	Rewa
16	Date of Grant of Mining Lease	09/01/2009
17	Date of Execution	07/10/2009 (lease period upto 06/10/2059)
18	Date of opening of Mine	07/10/2009
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
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA

1/35126/2024	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Jagdish Dhaneria, Lessee himself Address, email & Phone No etc. as stated above
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	None
24		
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	None
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Shri Aditya Singh Baghel, MSc Geolgy
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. 16/10/2008(MP) period. 2009-10 to 2013-14 2. 07/03/2019(Mod.MPLN) period. 2019-20 to 2023-24
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	SOM approved on 11/09/2014 Proposal period- 2014-15 to 2018-19
29	Mineral(s) granted in lease and approved for Mining	Bauxite, laterite, Ochre and Clay
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 i.e 9.71hect was considered explored under G1 level
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Entire mineralized area i.e.9.71hect was considered explored under G1 level	
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	121-30461T	111- 31132T	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire mineralized lease area was considered under G1 level. The mineral reserve has been classified under G1 stage of confidence level based on the drilling carried, structural disposition, lithological exposures, local geology and results of exploration done. The lease area has occurrences of cement and Chemical grade bauxite.		

Development

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2749200 to N2749250 and E512070 to E51228050	Almost as per proposal	There is no OB. Mine waste envisaged as intercalation of interburden/ mine waste / clay .
2b	Separate benches in top soil overburden and mineral (Rule 15)	Bench in mineral proposed as there was no OB	As per proposal.	
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.017	
2d	Quantity of topsoil generation in m ³	Not envisaged as there is no top soil.	Nil	
2e	Quantity of overburden generation in m ³	1692cum	230cum	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	As per proposal there is only one bench of 1-2m height in mineral. There is no overburden in bauxite mineralized zone. Development of the pit was found as per proposal.		

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)	13621tones	12950tones	-
3c	Recovery of Salable/usable mineral from ROM production	70%	More than 70%	-
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	NA	
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Hyd.Eexcavator and dumper combination H.Exc. 0.9cum bucket capacity 1no and 1 dumper of 10 tone.	As per proposal	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	-

1/35126/2024	3m	Total area covered under excavation /pits	5.13hect		About 4.5 ha	-
	3n	Ore to OB ratio for the pit/mine during the year	1:0.25		1:0.017	-
	3o	Total area put in use under different heads at the end of year	6.53 ha		Almost as per approved proposal.	-
	3p	Production of ROM mineral during the last five-year period as applicable(proposed/ actual)	2019-20	16812	13890	
			2020-21	12342	12255	
			2021-22	13846	13620	
			2022-23	13846	13846	
			2023-24	13621	12950	
	3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination.			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	There is no proposal for separate dumping of top soil as there is no top soil in the lease area.	There is no generation of top soil so question do not arise.	As per proposal.
4b	Location of topsoil, OB & mineral reject dumps	Not proposed as there is no top soil.	Not applicable as there is no top soil generation,	
4c	Number of Dumps within lease area and outside lease area	Dumping of OB not proposed	OB is utilized for backfilling as proposed in approved Mod. MP	Generation of OB/Mine waste quantity is too low resulting backfilling work is too less.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable.	
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	Nil
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 occurrences of top soil not considered. Only generation of inter burden /mine waste considered that too in reality utilized in backfilling as per approved proposal.		

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	22500sq.m(cumulative)	20000sqm	Almost as per proposal
5b	Area under backfilling of mined out area	14000sq.m (cumulative)	4000sq.m	Extent of backfilling is less. Deviation pointed out through violation of rule11(1) vide letter dated 28/06/2024
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	7720sq.m	Rehabilitation of mined out area is yet to be carried out.	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Backfilling of mined out area found lacking as generation of mine waste is comparatively less.		

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		Submitted with AR,2023-24.	None
6b	Management of worked/mined out benches	Nil	Nil	Nil
	i) Area available for rehabilitation (Ha)	Not proposed.	NA	
	ii) Afforestation done (ha)	Not proposed.	NA	A good number of saplings were found planted outside of the lease area. Proper arrangement for look after of the plantation were also seen.
	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

1/35126/2024	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	22500sq.m (cumulative) 14000sq.m (cumulative) 7720sq.m (cumulative) Not proposed Not proposed	About 16480sq.m (cumulative) About 4000sq.m (cumulative) 1500sq.m (cumulative) NA NA	Backfilling, rehabilitation work is lagging. Violation pointed out.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed Not proposed Not proposed	NA NA NA	.
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 Cement Grade bauxite dispatch- 13580.71tone	Nil
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	Cement grade	cement grade and bauxite and laterite.	-
7d	Any beneficiation process at mines	NA	Nil	Only Screening and Classification
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation. Manual sorting as well as mechanical screening is carried out at mine site for sorting of bauxite and laterite from ROM ore.		

Environment

I/35126/2024

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Not applicable as there is no physically soil generation.	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Not applicable as stated above.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Generation of OB envisaged in approved RMP.	As per proposal	.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	NA	OB/Mine waste generated during exploitation of mineral is utilized in backfilling of mined out area as per approved proposal. Quantum of such mine waste is too low in comparison to envisaged one resulting backfilling work is lagging than the proposed one. Recovery of laterite is probably more than the proposed one resulting less generation of mine waste.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	Plantation done in mined out area as well as outside of the lease area.	
8g	Survival rate	Not specified	86%	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 surficial mining is involved for the exploitation of bauxite. Backfilling is not up to that extent as proposed. Hence, it was instructed to lessee at the time of inspection for closely monitoring of reclamation and rehabilitation of mined out area.		

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	Found Submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Karan Kesharwani and Geologist-	Shri Karan Kesharwani,ME had resigned from

1/35126/2024		Shri Aditya Singh Baghel	the mine with proper intimation. however Shri Aditya , Geologist was present on the date of inspection. Violation of rule 55 pointed out through VL dated 28/06/2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return 2023-24 Currant working: 1.648ha. Reclaimed & rehabilitated- 0.74hect OB/waste dump: 0.5 ha. Occupied by plant .. etc. 0.45 Work done under PMCP: 0.65 ha.	Given land use patter in account of current working found on lower side. Total area covered by pit may be around 4.00hect. or more matter discussed in the field and advised for taking due care while filing of AR.
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 450saplings planted in the lease area with survival rate of 86%.	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 ii. Cement Grade - 23681.499tone and iii. Chemical Grade 179.33tone	As per AR,2023-24
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price & sale value cement grade Rs. 850/-per tone and Cost of production = Rs. 511/37-per tone	In calculation of cost of production of main mineral i.e. bauxite royalty and interest amounts have not taken into account, deficiency pointed out through v/L dated 28/06/2024
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 501300/-	On lower side
9k	Scrutiny of Annual return on mining Machineries	Fron End Loader 0.9cum bucket capacity 1No. and Dumper 2No	Details of screen found not given.

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 dated 28/06/2024
2. Rule- 11(4) of MCDR 2017 dated 28/06/2024
3. Rule - 31(4) of MCDR 2017 dated 28/06/2024
4. Rule- 45(7) of MCDR 2017 dated 28/06/2024 and

I/35126/2024 5. Rule- 55(1) of MCDR 2017 dated 28/06/2024

Date: 05/07/2024

Name:- Raghbir Sharan Garg

Designation: Assistant Controller of Mines