

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

S.N.	Particulars	Details
1	Name of the Mine	Aber limestone, Laterite and Ochre Mine
	Date of Inspection:	25/06/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of non-forest and forest land	21.794 Hect.
3	Mine code	38MPR35329
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. IBM/19865/2015
5	Last Inspection Details	Insp. officer – Shri Robert Simon C. ACOM Date of Insp. – 24/08/2023 V. Letter dated 03/11/2023/2023 for rule – 11(1),12,31(4),33,34A (2),45(7) &55 Reply letter Not received. SC Notice dated 21/06/2024 for all the pointed-out rules. Reply letter dated 15/12/2023 received in this office on 29/06/2024 by email. Compliance on pointed out all the rules considered on 10/07/2024
6	Mine official present during the inspection	Shri Pradeep Gupta, Mining Engineer of the mine and Shri Vikash Singh, Geologist of the mine.
7	Name of the Lease, Address, Phone, email and fax no	M/s Shree Gavinath Mines & Minerals Pvt. Ltd. Addr. Near I.T.I, Behind Kolgawan Power House, JR Birla Road Satna District Satna, M.P. 485112 Email- gavinath_mines@rediffmail.com Phone No. 9425810572 Fax No. 07672-250150
8	Village	Aber
9	Taluka/Mandal	Kotar
10	District	Satna
11	Pin code	485226
12	State	Madhya Pradesh
13	Post Office	Aber
14	Nearest Police Station	NA
15	Nearest Railway Station	Satna
16	Date of Grant of Mining Lease	10/05/2009
17	Date of Execution	23/06/2009(lease period upto 22/06/2039-30 years lease period.
18	Date of opening of Mine	Jun,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 third Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA

1/35539/2024	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nomi. Owner : Shri Mordhwaj Mishra Address : Near I.T.I, Behind Kolgawan, Power House, JR Birla Road Satna District Satna, M.P. 485112 Email-gavinath_mines@rediffmail.com Phone No. 9425810572 Fax No. 07672-250150 Date of Appointment: 24/11/2023
	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	M. Manager Shri Pradeep Gupta, Add. Near I.T.I, Behind Kolgawan Power House, JR Birla Road Satna District Satna, M.P. 485112 Email-gavinath_mines@rediffmail.com Phone No. 8085370945 Fax No. 07672-250150 Date of Appointment: 01/08/2023
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Pradeep Gupta, Mining Engineer Address, Phone: No., Fax No. & email address As stated above Date of Appointment: 01/08/2023
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Geologist- Shri Vikash Singh, Msc(Geo), Date of appointment -16/08/2023 M.Engineer-Shri Pradeep Gupta, BE (Mining Engineering)
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. 12/03/2009(MP) Period 2009-10 to 2013-14
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. 10/09/2015(SOM) period 2015-16 to 2019-20 2. 24/10/2019(RMP) period 2019-20 to 2023-24 3. 06/02/2024(RMP) period 2024-25 to 2028-29
29	Mineral(s) granted in lease and approved for Mining	Limestone, Laterite and Ochre
30	Method of Mining (Opencast, Underground)	Open cast
	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
	Captive/non-captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	None	NA	Already entire mineralized area had explored under G1 level
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Entire lease area 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	111-2865196tone	111- 2865196 tone	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area had been considered under G1 level as per approved Review of Mining Plan dated 06/02/2024. Additional 3 boreholes each of 30m have been proposed against 2024-25.		

Development

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 2733630 – N 2733870 E 500350 – E 500550	N 2733830 – N 2733900 E 500590 – E 500650	Site deviation violation of <u>rule 11(1).</u>
2b	Separate benches in top soil overburden and mineral (Rule 15)	1.OB/ laterite bench 1 no of 2m height 2.Lst benches 1 no of 6m height	OB & mineral benches were observed as per proposal	No deviation
2c	Stripping ratio or ore to OB ratio	1:0.16	1:0.31	
2d	Quantity of top soil generation in m ³	0	0	
2e	Quantity of overburden generation in m ³	32638	15500	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Pit was found developed with separate benches in OB and in mineral to achieve envisaged production with site deviation. Generation of OB/mine waste/inter burden is proportionately more than the envisaged due to occurrences of intercalated clay in certain patches. Screening is required to get the market for mineral of such patches. On the date of inspection mobile screener was found deployed.		

Exploitation

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed (2023-24)	199200tones ROM	ROM-48800tone	Very less production, violation of rule 11(1)
3c	Recovery of Salable/usable mineral from ROM production	199200 tones, 100%	ROM-48800tone, 90%	Screening of ROM required to remove intercalated clay found with limestone
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	Not proposed	Mechanical screening seen to remove intercalated clay from ROM	ROM of fragile pockets is salable after screening.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting will be done as per parameter : As per proposal (Spacing Burden Depth)	As per proposal	

I/35539/2024		2.5X2.0mX2.9m including sub grad drilling. 85mm dia of holes		
3k	Provision of mining machineries in mineral benches	Rock drill 01 no. Excavator: 02 no. Transportation: Dumpers 03 nos. water tanker 01 no.	Rock drill 01 no. Back hoe: 02 no. Transportation: Dumpers 02 nos. water tanker 01 no.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per proposal	
3m	Total area covered under excavation /pits	8.50 Hectare	3.10 Hectare	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.16	1:0.31	-
3o	Total area put in use under different heads at the end of year	9.65 Hectare	About 4.0hect	Mining operation in the lease area not carried out on full scale over a period of last five years period.
3p	Production of ROM mineral during the last five-year period as applicable	2019-20	170800	3000
		2020-21	183400	20000
		2021-22	180600	46838
		2022-23	191400	32570
		2023-24	199200	48800
3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with drilling & blasting.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Not proposed	Not applicable	
4b	Location of topsoil, OB & mineral reject dumps	OB dump proposed at - N2734220 to N2734300 and E500820 to E500900	As per proposal OB is reportedly utilised in making of proposed bund.	Entire Ob generated so far utilized in making of bund.
4c	Number of Dumps within lease area and outside lease area	One OB dumps within the lease area & outside lease area-Nil	No dump present within the lease area as well as outside lease area	-
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Proposed OB dump is within UPL	There is no dump within lease area.	Entire OB/Mine waste/interburden generated utilized in making of bund.
4e	Number of Active & Alive dumps	Active-1 Inactive-None	Active-None Inactive-	

I/35539/2024			None	
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	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	nil	01	-
4k	Specific comments of inspecting officer on waste dump management	There is no dump lies within lease area. Entire Ob generated so far utilized in making of bund.		

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	Fully extraction proposed at N2733680 to N2733950 and E500650 to E500830	Complete extraction of mineral not completed	Complete exploitation of mineral from the area proposed for backfilling not carried out so far.
5b	Area under backfilling of mined out area	proposed at N2733680 to N2733950 and E500650 to E500830	Backfilling not commenced so far.	---do---
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	Nil
5d	Total area fully reclaimed & rehabilitated	Proposed reclaimed area 18000sqm Proposed rehabilitated area Not specified	Reclaimed and rehabilitated mined out area Nil	Complete extraction of mineral from the area under mining not reached.
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area not matured for backfilling and reclamation. Extraction of mineral not carried out on a approved level. Resulting OB generated in less quantity and so far, it is utilized in making of bund as per proposal.		

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		PMCP report and UAV survey (KML file) found attached with the AR,2023-24	-
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not specified	NA	-.
	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	

1/35539/2024	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		32500cum 7500cum 7500 Not proposed Not proposed	Nil Nil Nil NA NA	New RMP of the lease area had been approved by this office vide letter dated 06/02/2024. All the deviations have already taken into account in this new document.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation		Not specified Not specified plantation	NA NA 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	Dispatch proposed without any sorting/ screening at mine site	Screening of ROM of fragile pockets is required	To remove intercalated clay from ROM Screening is being carried out to gate market of the mineral.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not required.	Cement Grade limestone only
7c	Different grade of mineral sort out at mine	Cement Grade	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 issue related with mineral conservation. However, screening of ROM of fragile pockets is required and accordingly mobile screener is deployed on hire basis.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	NA	-
8b	Concurrent use or storage of topsoil	Not Proposed	NA	-
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	There is proposal for dumping of OB/ mine waste whereas	Dumping of OB not carried out.	Entire OB generated so far utilized for making

I/35539/2024		mineral reject generation not envisaged.		of bund. As level of mining is comparatively low than the proposal accordingly OB generation was also too less. Therefore, entire generated OB utilized in making of bund.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling of mined out area Proposed.	No carried out	Reasons recorded as above.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed as above	No carried out	Reasons recorded as above.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	Plantation done in the lease area	
8g	Survival rate	Not specified	80%	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 moderate and needs further improvement.		

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	MR as well as AR for 2023-24 found submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Pradeep Kumar Gupta	Shri Pradeep Kumar Gupta accompanied to inspecting officer during inspection.
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 Current working: 3.10ha. OB/waste dump: 0.00 ha. Occupied by plant .. etc. 0.20 Green Belt: 0.6 ha. Progressive mine closure plan- 0.59hect.	OK
9d	Scrutiny of Annual return on afforestation.	Afforestation as per AR 700saplings planted in the lease area with survival rate of 70%.	Reported plantation is on higher side.
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	ROM closing stock -Nil Graded limestone- 27032.108tone	As per MR of May,24 cement grade mineral stock was 17772.295tone which was verified during inspection.

I/35539/2024	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price Rs. 368/76, sale value Rs.208/76- and Cost of production = Rs. 345/45-per tone	Anomalies are observed in reporting of Ex mine price and sale value, to be pointed out.
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 9269130 /-	OK
9k	Scrutiny of Annual return on mining Machineries	Bac Hoe-1(0.8cum bucket capacity) HEMM 1 DUMPER 16 TONNE - Two Water tanker 5000ltr - One	There are two excavators

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

A. Violations observed

1. Rule 11(1)
2. Rue 31(4)
3. Rule 34A
4. Rule 45(7)

B. Compliance position of earlier violations-

Based on previous inspection violation of rule 11(1),12,31(4),33,34A,45(7) and 55 were pointed out vide VL dated 03/11/2023 followed by show cause notice dated 21/06/2024. Reply dated 15/12/2023 received through email in this office on 29/06/2024 taken into account and compliance on all the pointed out rules considered on 10/07/2024.

Date: 11/07/2024

Name:- Raghbir Sharan Garg
Designation: Assistant Controller of Mines