

INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	BATHIA KALA LIMESTONE MINES 19/07/2024 Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	107.785 (HA.)
3	Mine code	38MPR35294
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/4190/2011
5	Name of the Lessee, Address, Phone, email and fax number	M/s Shri Marutaye Balaji Steels Ltd. Narayani Kunj, Dalibaba Chowk, Satna (M.P.) -485001 MOB: 9425810572 Email: smbsslkolkata@gmail.com
6	Village	Bathia Kala
7	Taluka/Mandal	Raghuraj Nagar
8	District	Satna
9	Pin code	485114
10	State	Madhya Pradesh
11	Post Office	Sagmania
12	Nearest Police Station	Kolgawan
13	Nearest Railway Station	Satna
14	Date of Grant of Mining Lease	29.09.2004
15	Date of Execution	22.07.2004
16	Date of opening of Mine	19.11.2021
17	Date of First Renewal, if applicable and its period & expiry	Not applicable (Renewal due on 29.09.2034)
18	Date of Second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Mordhwaj Mishra, Behind Kolgawan Power House, J R Birla Road, Satna (M.P.) – 485001 EMAIL ID: smbsslkolkata@gmail.com MOB: 9425810572
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Anil Kumar S/O Shri Kameshwar Prasad Singh 402, Shambika Path, New Dilliya Dehri-On-Sone, Distt – Rohtas (Bihar) PIN-821307 DATE OF APPOINTMENT: 15.02.2021
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Anil Kumar S/O Shri Kameshwar Prasad Singh 402, Shambika Path, New Dilliya Dehri-On-Sone, Distt – Rohtas (Bihar)PIN-821307 DATE OF APPOINTMENT: 15.02.2021
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Anil Kumar B. E. (Mining Engg.) Exp – 25 Yrs S/O Shri Kameshwar Prasad Singh 402, Shambika Path, New Dilliya Dehri-On-Sone, Distt – Rohtas (Bihar) PIN-821307 DATE OF APPOINTMENT: 15.02.2021
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Alok Sharma M.Sc. Geology; Exp – 15 Yrs DATE OF APPOINTMENT: 01.06.2024.
25	Date of Approval of Mine Plan/Modified Mine Plan	08/12/2003

	with five- year period and specific condition in approval letter, if any.	2004-05 to 2008-09 No specific condition
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	13/09/2022 2022-23 to 2023-24 No specific condition
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Mechanized
30	Captive/Non-Captive	Non-captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	62.35 hect	62.35 hect	
1e	Balance reserves as on 01.04.2024	11997373	12622943 tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the recent approved Plan dt. 29/02/24, exploration proposed for the year 2024-25 to bring the lease area in G-1.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development of Quarry 1 in the north between the coordinates N 2722797 – N 2722901 & E 486630 – E 486815 and in Quarry 2 in the south between the coordinates N 2722242 – N 2722347 & E 487717 – E 487867.	Development of Quarry 2 was not carried out.	Violation pointed out under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	0.14	0.10	
2d	Quantity of topsoil generation in m ³	87302	3221	Violation pointed out under Rule 11(1).
2e	Quantity of overburden generation in m ³	98874	8049	Violation pointed out under Rule 11(1).

2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	It was proposed to carryout development of Quarry 1 in the north between the coordinates N 2722797 – N 2722901 & E 486630 – E 486815 and in Quarry 2 in the south between the coordinates N 2722242 – N 2722347 & E 487717 – E 487867. But during the year, the development of Quarry 2 was not carried out.Only 74440 Tonnes of Limestone is generated against the proposal of 700010 Tonnes of Limestone for the year 2023-24.Only 8049 m3 of overburden is generated against the proposal of 98874 m3 of overburden for the year 2023-24. Further only 3221 m3 of Topsoil is generated against the proposal of 87302 m3 of Topsoil for the year 2023-24. Hence,violation pointed out under Rule 11(1).
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Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	2	1	Violation pointed out under Rule 11(1).
3b	Quantity of ROM mineral production proposed (2022-23) (IN TONS)	700010	74440	Violation pointed out under Rule 11(1).
3c	Recovery of Salable/usable mineral from ROM production	Entire ROM dispatch proposed	Entire ROM dispatched.	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
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	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting in mineral benches proposed	Carried out.	
3k	Provision of mining machineries in mineral benches	Proposed	Back Hoe 1.200 Cum 2 Nos;Tipper 16.000 Cum 6 Nos; Blast Host Drill 110.000 Mm 1 Nos; Air Compressor 465.000 Cum/Mn 1 Nos; Water Tanker 5000.000 Litre 1 Nos; Pumps (Non-Elec.) 2200.000 L/Mn 1 Nos.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Found suitable.	
3m	Total area covered under excavation	5.7	2.23	

	/pits (Ha)				
3n	Ore to OB ratio for the pit/mine during the year	0.14	0.10		
3o	Total area put in use under different heads at the end of year (Ha)	11.47 ha	4.79 ha		
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	150000	NIL	Mine Opening Date is 19/11/2021
		2020-21	150000	NIL	
		2021-22	150000	60926	
		2022-23	150000	57400	
		2023-24	700010	74440	
3q	General remarks of inspecting officer on method of mining etc				

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil & OB proposed.	Separate dumping of topsoil & OB carried out.	
4b	Location of topsoil, OB & mineral reject dumps	Topsoil dump N2722696-N2722782 E486909-E487128 OB Dump N2722775-N2722865 E486447-E486573	Topsoil dump: N2722696-N2722782 E486909-E487128 OB Dump: N2722775- N2722865 E486447-E486573	
4c	Number of Dumps within lease area and outside lease area	Within lease area = 1 Outside lease area =0	Within lease area = 1 Outside lease area = 0	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	OB dump towards NW(Within UPL)	OB dump towards NW(Within UPL)	
4e	Number of Active & Alive dumps	01	01	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	610	430	
4j	Number of settling ponds	2	1	
4k	Specific commends of inspecting officer on waste dump management	Waste generated is being dumped in the NW portion of the lease area.		

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	NA	NA	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed for plantation	Being used for plantation.	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	

5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not mined out to carry backfilling process.
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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	Yes	Submitted.	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	1.0	0.70	
	iii) No. of saplings planted during the year		600	
	iv) Cumulative no. of plants	2000	1950	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	25000	24000	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	Nil	Nil	
	ii) Void filled by waste/tailings	Nil	Nil	
	iii) Afforestation on the backfilling	Nil	Nil	
	iv) Rehabilitation by making water reservoir	Nil	Nil	
	v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	Nil	Nil	
	ii) Area rehabilitation	Nil	Nil	
	iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Mineral Dispatch proposed	ROM Mineral Dispatch done.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sort out at mine	NA	NA	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process at mines. Only ROM dispatch.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	3221 m3 generated.	
8b	Concurrent use or storage of topsoil	To be used for plantation	Being used for plantation	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden proposed	Separate dumps for overburden maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Separate dumps for overburden proposed	Separate dumps for overburden maintained.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	600 nos of saplings planted.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on roads to control airborne dust carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The aesthetic beauty in and around mine area is moderate.		

Compliance of rule 45 :

Sl.N	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Returns are submitted on time.	Returns are submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : Shri. Anil Kumar Mining Engineer In Charge: Shri. Anil Kumar Geologist In Charge : Shri. Sushant Kumar Saha.	Geologist In Charge : Shri. Sushant Kumar Saha terminated on 01.06.24 and Shri. Alok Sharma was appointed in his place.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 2.230 2.230 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.670 0.670 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.170 0.170 (vi) Used for any other purpose (specify) Mineral Storage 0.000 0.570 0.570 (vii) Work done under progressive mine closure plan during the year 0.000 0.850 0.850	
9d	Scrutiny of Annual return on afforestation	Given	i) Number of trees planted during the year 600 0 ii) Survival rate in percentage 70 60 iii) Total no. of trees at the end of the year 1950 50	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Cement grade limestone Opening stock : 64571.614; Production : 74440 Tonnes; Dispatch-82807.206; Cement Grade Lst Closing stock : 56204.40	
9g	Scrutiny of Annual return on sale value, Ex Mine price & production costs	Given	Cost of production & Ex mine price – Rs.324	
9i	Scrutiny of Annual return on Fixed assets	Given	The Value of Fixed Asset is mentioned as Rs. 16263017.	
9k	Scrutiny of Annual return on mining Machineries	Given	Back Hoe 1.200 Cum 2 Nos;Tipper 16.000 Cum 6 Nos; Blast Host Drill 110.000 Mm 1 Nos;	

			Air Compressor 465.000 Cum/Mn 1 Nos; Water Tanker 5000.000 Litre 1 Nos; Pumps (Non-Elec.) 2200.000 L/Mn 1 Nos.	
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Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

Details of violations observed during current inspection and compliance position of violation pointed out					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11(1)	01-NOV-24	07-JAN-25			
Rule 33	01-NOV-24	07-JAN-25			

Date: 07/01/2024

Name: Robert Simon C

Designation: ACOM