

INSPECTION DATASHEET For The Year 2023-24**General**

S.N.	Particulars	Details
1	Name of the Mine	Ispat Limestone Quarry-I
	Date of Inspection:	06.07.2024
	Name of Inspecting Officer	Mr. Ibrahim Sherief, Deputy Controller of Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	590.522-Ha.(Revenue) Forest Land- Nil
3	Mine code	38MPR35038
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5751/2011
5	Last Inspection Details	
6	Mine official present during the inspection	S.S.Baghel (Mining Engineer) Devendra singh -geologist
7	Name of the Lease, Address, Phone, email and fax number	M/s Steel Authority of india Limited Bhilai Township,Distt.- Durg – Pin Code-490006 (C. G.) Phone No. 0788-4022255 To 4022256 Website- bjcl.co.in
8	Village	Barikhurd, Putondha, Puthondhi, Sarwahna, Nimi
9	Taluka/Mandal	Raghurajnagar
10	District	Satna {M.P.}
11	Pin code	485112
12	State	M.P.
13	Post Office	Babupur
14	Nearest Police Station	Babupur
15	Nearest Railway Station	Satna
16	Date of Grant of Mining Lease	01.11.2001
17	Date of Execution	01.11.2001
18	Date of opening of Mine	10.11.2009
19	Date of First Renewal, if applicable and its period & expiry	01.11.2021,10Yr,31.10.2031
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	Shri Amit Sharma, M/s Bhilai Jaypee Cement Limited, Babupur-Post, Raghuraj Nagar Taluka, Satna District, M.P. Phone:- 07672-415500,415600, Fax- 07672-276216, E-mail- bjclbabupur.mines@jalindia.co.in. date of appointment-26.11.2020

23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Shambhunath Singh M/s Bhilai Jaypee Cement Limited, Babupur-Post, Raghuraj Nagar Taluka, Satna District, M.P. Phone:- 07672-415500,415600, Fax- 07672-276216, E-mail- bjclbabupur.mines@jalindia.co.in. date of appointment- 10.09.2021
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	S.S.Baghel (Mines Manager) M/s Bhilai Jaypee Cement Limited, Babupur-Post, Raghuraj Nagar Taluka, Satna District, M.P. Phone:- 07672-415500,415600, Fax- 07672-276216, E-mail- bjclbabupur.mines@jalindia.co.in. Date of appointment – 21/07/2021
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Sanjay Singh Baghel (B. E .Mining Engineer) 28 Years M/s Bhilai Jaypee Cement Limited, Babupur-Post, Raghuraj Nagar Taluka, Satna District, M.P. Phone:- 07672-415500,415600, Fax- 07672-276216, E-mail- bjclbabupur.mines@jalindia.co.in
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Devendra Singh (Geologist) Date of appointment – 19/02/2016 Eexperience -20 Years
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	25.03.2009 314(3)/2008- MCCM (C)/MP46
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	22.09.2021 MP / Satna/Limestone/ RMP-37 /2021-22 5970
29	Mineral(s) granted in lease and approved for Mining	Limestone
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
32	Captive/Non-Captive	Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not in Proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not in Proposal	Nil	G2- 450.522 Ha
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not in Proposal	Nil	

1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not in Proposal	Nil	G2- 450.522 Ha, G3- 140 Ha
1e	Balance reserves as on 01.04.2024	(111)- 16.60 Mt, (122)- 7.68 Mt (221&222) - 14.40Mt, (333)- 10.83Mt		
1f	General remarks of Inspecting officer on geology, exploration etc.			

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North-West	Less	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Soil- Hight- 01M ROB- Hight -03M Limestone Bench I -04m II- 06m III- 06m	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.49	0.0	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	72900 Cum	0.0	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is less due to less production as no demand of Limestone from cement plant		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed (2023-24)	600000 Ton	256.290Ton	Violation was pointed out
3c	Recovery of Salable/usable mineral from ROM production	90%	90%	
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	ROM entire Despatch	ROM entire Despatch	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling & multi row blasting, use of milli-second/delay	Deep hole drilling & multi row blasting, use of milli-	

		detonator	second/delay detonator	
3k	Provision of mining machineries in mineral benches	Excavators, pc-480, 300- 2 No., Dumper- 25 T- 2 No., DTH Drills- 1 No., Dozer- 1 No., Loader Rock Breaker, Water Tanker	Excavators, pc- 480, 300- 2 No., Dumper- 25 T- 2 No., DTH Drills- 1 No., Dozer- 1 No., Loader Rock Breaker, Water Tanker	-Do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	6 m bench height is observed
3m	Total area covered under excavation /pits	139.30 Ha.	138.50 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.49	Nil	
3o	Total area put in use under different heads at the end of year	171.887 Ha.	139.300 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achievement
		2019-20	600000 Ton	420790.88 Ton
		2020-21	600000 Ton	570146.45 Ton
		2021-22	600000 Ton	203215.75 Ton
		2022-23	600000 Ton	0.0 Ton
		2023-24	600000 Ton	256.290 Ton
3q	General remarks of inspecting officer on method of mining etc	Mechanised method of mining with deep hole drilling and blasting is being practised by maintaining bench height of 6 meters and width more than the height. At present mine is not in operation		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	No proposal of waste dump creation	Nil	Backfilling is proposed
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of Dumps within lease area and outside lease area	No proposal	Nil	One Dump within Lease Area
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	Beyond UPL
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of dead dumps	One	One	

4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	No	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	One old dump is non active.		

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	Full extraction of mineral from mined out area before back filling	No back filling during the year	Less production
5b	Area under backfilling of mined out area	0.36 Ha.	Nil	2.65.0 Ha. Backfilled so for.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes Top soil is used over backfilled area	Yes done	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	2.65 Ha area is backfilled so for.		

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	Yearly annual report on PMCP to be submitted	Yes Yearly annual report on PMCP submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	Nil	Nil	
	iii) No.of saplings planted during the year	500	500	
	iv) Cumulative no. of plants	3000	2500	
	v) Any other specific method of rehabilitation	Nil	Nil	

	vi) Cost incurred on watch & care during the year	Nil	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	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water and Noise monitoring is to be carried out at regular interval	Air, Water and Noise monitoring is carried out and results are within permissible limit	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Afforestation is being carried out in the lease area to improve aesthetic beauty		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM produced is to be dispatch	No dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	
7c	Different grade of mineral sort out at mine	No proposal	No	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Plantation	Plantation	

8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling	Backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation	Reclamation	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes	Yes	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Afforestation is being carried out in the lease area to improve aesthetic beauty		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R. Submitted up to march 2024 A.R. submitted up to 2023-2024	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: S.S.Baghel Geologist: Devendra Singh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-139.30Ha Dump- 21.02Ha Reclaimed- 2.650Ha	
9d	Scrutiny of Annual return on Afforestation	500 Nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price - Rs 247.42 /Ton	
9i	Scrutiny of Annual return on Fixed assets	Rs 26200000	
9k	Scrutiny of Annual return on mining Machineries	Excavators, pc-480, 300 Dumper, DTH Drills Dozer, Loader Rock Breaker Water Tanker	

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

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Violation observed					
Rule NO.	Issued on	Compliance on			
11(1)	09/07/2024	28.08.2024			
12(4)	09/07/2024	28.08.2024			
35(2)	09/07/2024	28.08.2024			

Date:

Name: Shri Ibrahim Sharief

Designation: Deputy Controller of Mines