

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

S.N.	Particulars	Details
1	Name of the Mine	Ispat Limestone Quarry
	Date of Inspection:	09.07.2024
	Name of Inspecting Officer	Mr. Ibrahim Sherif
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1033.940-Ha.(Revenue) Forest Land- Nil
3	Mine code	38MPR35288
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5751/2011
5	Last Inspection Details	
6	Mine official present during the inspection	Shri S.S.Baghel (Mining Engineer) Shri 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	Ramashthan, Khamariya, Jamori, Atrahara, Mohana, Sakariya, Sarwahna, Barera, Lohara
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	04.01.1967
17	Date of Execution	04.01.1967
18	Date of opening of Mine	04.01.1967
19	Date of First Renewal, if applicable and its period & expiry	04.01.1987,
20	Date of Second Renewal, if applicable and its period & expiry	04.01.2007 to 04.01.2027
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.	26.03.2009 314(3)/2008- MCCM (C)/MP47
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-38 /21-22 5974
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	No proposal during the year 2023-24	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	G1- 907 Ha
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No proposal	Nil	

1d	Balance area to be explored to bring Geological axis in 1 or 2.	No proposal - G1- 907	Nil	Violation was pointed out
1e	Balance reserves as on 01.04.2024	(111)- 55.31 Mt		
1f	General remarks of Inspecting officer on geology, exploration etc.	Exploration in G1 level is carried out in 907.45 Ha area Violation was pointed out		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North-East of lease area	North-East of lease area	
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	1:0.36	0.0	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	264000 Cum	0.0	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is on lower side 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)	1500000 Ton	260.33 Ton	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	No proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling & multi row blasting, use of milli-second/delay detonator	Deep hole drilling & multi row blasting, use of milli-second/delay detonator	

3k	Provision of mining machineries in mineral benches	Excavators, pc-480, 300, Dumper, DTH Drills, Dozer, Loader Rock Breaker, Water Tanker	Excavators, pc-480, 300, Dumper, DTH Drills, Dozer, Loader Rock Breaker, Water Tanker	
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 suitable
3m	Total area covered under excavation /pits	63.71 Ha.	45.210 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.36	Nil	
3o	Total area put in use under different heads at the end of year	70.41 Ha.	51.43 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achievement
		2019-20	1500000 Ton	758441.04 Ton
		2020-21	1500000 Ton	819469.88 Ton
		2021-22	1500000 Ton	584999.49 Ton
		2022-23	1500000 Ton	88449.29 Ton
		2023-24	1500000 Ton	260.33 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	No	
4k	Specific commends 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 & back filling	No back filling during the year	Less production
5b	Area under backfilling of mined out area	0.789 Ha	0.0 Ha.	4.41 Ha. Area 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	4.41 Ha. Area 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)	0.789 Ha	Nil	
	iii) No.of saplings planted during the year	500	500	
	iv) Cumulative no. of plants	Nil	5000	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	Nil	Rs. 30000/-	

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)	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	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	
7c	Different grade of mineral sort out at mine	No	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	Nil	

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	Plantation is being carried out to improve aesthetic beauty		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and Annual returns to be submitted in time	Monthly and Annual returns are being submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri S.S.Baghel Geologist: Shri Devendra Singh	Both are employed for the mine as Mining engineer and Geologist
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-45.21 Ha. Dump- 1.15 Ha (1.15 Ha.) Reclaimed- 0.789 Ha	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	500 Nos.	planted in the lease area
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	Rs 247.40 /Ton	
9i	Scrutiny of Annual return on Fixed assets	Rs 30200000	
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:-

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