

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office**

Mine code: 38MPR35192

(i)	Name of Inspecting officer	Shri Kathroju Naveen
(ii)	Designation	Sr. Asst. Controller of Mines
(iii)	Accompanying mine official with Designation	Shri Nitya Kishor Dixit (Qualified Person), Shri Anil Kumar Kushwaha, Manager (Geology)
(iv)	Date of Inspection	03.10.2024
(v)	Previous Inspection date	NA

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Barahiya Limestone Mine area 6.794 hact.
	(b)	Registration Number	IBM/7876/2011
	(c)	Category	A Opencast Others Category (Non Captive)
	(d)	Type of Working	Opencast
	(e)	Postal address	Gali no.1, Pushpraj Colony Satna, Teh- Raghurajnagar, District- Satna (M.P.)- 485001
		State	M.P.
		District	Satna
		Village	Barahiya
		Taluka	Maihar
		Post Office	Bathiya
		Pin code	485774
		Fax	
		email	gssinghassociates@gmail.com
		Phone No	9425172861
	(f)	Police Station	Dehat
	(g)	First Opening date	22.11.2023
	(h)	Weekly day of rest	Sunday
2		Address for Correspondence	
3	(a)	Lease Area	6.794 ha.
	(b)	Period of lease	50 years (24.02.1981 to 23.02.2031)
	(c)	Date of Expiry	23.12.2031
4		Mineral Worked (Main)	Limestone
5		Name of address of the Lessee	Shrimati Manju Singh Legal Heir Late Shri Gopal Sharan Singh, Address- Gali no.1 ,Pushpraj Colony Satna (M.P.)

	with Phone, email and fax number	Phone- 9425172861 Email- gssinghassociates@gmail.com Fax- Nil
	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	Shrimati Manju Singh Legal Heir Late Shri Gopal Sharan Singh, Address- Gali no.1 ,Pushpraj Colony Satna (M.P.) Phone- 9425172861 Email- gssinghassociates@gmail.com Fax- Nil
	Name of address of the Agent with Phone, email, fax number and Date of appointment	Mr. Manoj Rai. Flat no. 250A, Shri Sai Lotus City, Sohawal Satna (M.P.) Pin 485001 Email- manojrai76@gmail.com Date of appointment – 09.11.2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	Mr. Prashant Shrivastava Flat no. 402, RN Green, in front of Lotus City Sohawal Satna (M.P.) Pin- 485001 Phone- 9406967766 Email- rashantsingh.star@gmail.com Date of Appointment- 09.11.2023
	Mining Engineer Name Qualification Date of Appointment	Mining Engineer: Mr. Prashant Shrivastava Flat no. 402, RN Green, in front of Lotus City Sohawal Satna (M.P.) Pin- 485001 Phone- 9406967766 Email- prashantsingh.star@gmail.com Qualification : Diploma in Mining and Surveying (2 nd Class Mines Manager Certificate) Date of Appointment- 09.11.2023
	Geologist Name Qualification, Date of Appointment	Geologist: Mr. Anil Kumar Kushwaha 2 nd Floor, House No.- 5, Gali no. 1, Master Plan Civil Line Satna (M.P.) Pin- 485001 Phone- 8770057026 Email- anil@alliancegroup.ltd Qualification: .M.Sc. Geology Date of Appointment-09.11.2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	MP/Satna/Limestone/MPLN/MOD-21/2020-21, Jabalpur on Dated 19.04.2021

Exploration (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	0	0	
1b	Exploration over lease area for Geological axis 1 or 2.	G-1	G-1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Synergy Geotech Pvt. Ltd Expenditure of FY 23-24- Rs 2,30,000/-		
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1- 6.794 Ha	Total area not explored	
1e	Balance reserves as on 01.04.2024	-	111-1307742.50 tone 211-1443765.00 tone	
1f	General remarks	Violation is pointed out under Rule 12(4) the lessee has conducted the drilling and submitted the RMP.		

Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N:2685531 to N:2685640 E:489275 to E:489473	N:2685615 to N:2685635 E:489295 to E:489318	Violation pointed out under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral	OB bench- 1 Mineral Bench- 1	OB bench- 1 Mineral Bench- 1	
2c	Stripping ratio or ore to OB ratio	1: 0.56	1: 54	
2d	Quantity of topsoil generation in m ³	1500	Nil	
2e	Quantity of overburden generation in m ³	31009	968	
2f	General remarks	Development has not been carried out as proposed against which the violation is issued under Rule 11(1).		

Exploitation (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed (2023-24)	145887 tonne	1566 tonne	Violation Pointed out under Rule 11(1).

3c	Recovery of Salable/usable mineral from ROM production	Nil	Nil		
3d	Quantity of mineral reject generation	0.00	0.00		
3e	Grade of mineral reject generation and threshold value declared	Min 34% CaO and Max 5% MgO	Min 34% CaO and Max 5% MgO		
3f	Quantity of sub-grade mineral generation	Nil	Nil		
3g	Grade of sub-grade mineral generation	NA	NA	No sub grade generated	
3h	Manual/Mechanized method adopted for segregation from ROM	Semi Mechanized	Semi 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	Yes	Yes		
3k	Provision of mining machineries in mineral benches	Yes	Yes		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes as per proposal in RMP		
3m	Total area covered under excavation /pits	2.60 Ha	2.12 Ha		
3n	Ore to OB ratio for the pit/mine during the year	1: 0.56	1: 1.54		
3o	Total area put in use under different heads at the end of year	3.71 Ha	3.22 Ha		
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	0.00	2019-20	0.00 tonne
		2020-21	0.00	2020-21	0.00 tonne
		2021-22	50314	2021-22	0.00 tonne
		2022-23	110848 tonne	2022-23	0.00 tonne
		2023-24	145887 tonne	2023-24	1566 tonne
3q	General remarks	Production and development are not at par with the proposals against which the violation is pointed out under Rule 11(1).			

Solid Waste Management-Dumping (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Top Soil- NIL OB Dump- N:2685410 to N:2685480 E:489382 to E:489470	No dump,	
4b	Location of topsoil, OB & mineral reject dumps	No proposals of dump are given as per approved MMP	NO	.
4c	Number of Dumps within lease area and outside lease area	Nil	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit	Nil	Nil	
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	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	nil	144 mtr	
4j	Number of settling ponds	1	Nil	
4k	General remarks regarding waste dump management			

Solid Waste Management-Backfilling (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NA	
5b	Area under backfilling of mined out area	Not proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NA	
	General remarks on backfilling and reclamation etc.	No Backfilling Proposals are given as per MMP		

Progressive Mine Closer Plan (2023-24)

S.N	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure.	Yes	Annual report of PMCP had been already submitted as per Rule 26(2) of MCDR in prescribed format	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.0 5	0.00	
	iii) No. of saplings planted during the year	2040	290 at mine & (1700 at Maa Sharda Temple)	
	iv) Cumulative no. of plants	Cumulative 290 nos. of sapling are planted as on 31.03.2024 at mine		
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	Rs 100000	Rs 100000	
6c	Compliance on reclamation and rehabilitation by backfilling	Nil	Nil	
	i) Voids available for backfilling (L*B*D)			
	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	Nil	Nil	
	i) Afforestation			
	ii) Area rehabilitation	Not in Proposal	NIL	

	iii) Method of rehabilitation	Not in Proposal	NIL	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Complied of Environment monitoring	
6f	General remarks on PMCP compliance and progressive closure operations etc.	PMCP report has been already submitted on 31.07.2024		

Mineral Conservation (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	145887 tonne	1566 tonne	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical	mechanical	
7c	Different grade of mineral sort out at mine	None	None	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks on Mineral conservation and beneficiation issues	Violation is pointed out against the deviation in the proposed production under Rule 11(1).		

Environment (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil	Generation-1500 Cum	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines	Yes.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in Proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in Proposal	NA	
8f	Baseline information on existence of plantation & additional plantation done	Yes	Total 290 no. of saplings are planted at mine boundary bund and 1700 plant	

			planted at Maa Sharda Temple	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkler has been utilized on roads to control dust suppression.	
8i	General remarks regarding aesthetic beauty in and around mines area	Mine is located at besides the national highway and water canal is passing through the lease.		

Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly returns and Annual returns submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Prashant Shrivastava Geologist in charge : Anil Kumar Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under OC mining- 2.12 Ha Used for waste disposal- 1.0 Ha Occupied by roads, infrastructure 0.1 Ha Garland drain & Bund- 0.01 Ha	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year within the lease 390 Outside the lease 1700	
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-300 Sale Value Rs 287.97 /-	
9i	Scrutiny of Annual return on Fixed assets	Rs 8,73,000/-	
9k	Scrutiny of Annual return on mining	1 no. Excavator- 2.10 Cum	

	Machineries	(Cap)	
		1nos Tipper- 14.00 Cum	

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	15/10/2024	03/12/2024	--	--
02	12(4)	15/10/2024	03/12/2024	--	--
03	34A	15/10/2024	03/12/2024	--	--
04	45(7)	15/10/2024	03/12/2024	--	--

Kathroju Naveen
Sr. Asst. Controller of Mines