

MCDR REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine	BISTRA LIMESTONE & DOLOMITE MINE
	Date of Inspection:	17-01-2025
	Name of Inspecting Officer	Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	17.07 Ha
3	Mine code	38MPR18134
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5445/2011
5	Name of the Lease, Address, Phone, email and fax number	N.M.Dubash Stone & Lime Co. pvt.Ltd.
6	Village	Bistra
7	Taluka/Mandal	Katni
8	District	Katni
9	Pin code	483501
10	State	Madhya Pradesh
11	Post Office	Jobikalan
12	Nearest Police Station	Kuthla(Katni)
13	Nearest Railway Station	Jhukehi
14	Date of Grant of Mining Lease	06/09/1980
15	Date of Execution	06/09/1980
16	Date of opening of Mine	06/09/1980
17	Date of First Renewal, if applicable and its period & expiry	06-09-2000 TO 05-09-2020
18	Date of Second Renewal, if applicable and its period & expiry(Extension of Mining Lease)	06-09-2020 TO 05-09-2030
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	Miss VIDHI WORAH, ADD- SNEHMILN TELEPHONE EXCHANGE ROAD, DHANBAD, JHARKHAND PHONE No.-9262939999 EMAIL-vsworah@gmail.com APPOINTMENT DATE -11/04/2024
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr.Krishna Kumar Chandra Add.- JSQ 38,ACC Colony ,Kymore , Katni (M.P.) Phone No.-7987122096 Email-kkchandra99@gmail.com DOA- 11-06-24
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr.Krishna Kumar Chandra Add.- JSQ 38,ACC Colony ,Kymore , Katni (M.P.) Phone No.-7987122096 Email-kkchandra99@gmail.com DOA- 11-06-24

23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr.Krishna Kumar Chandra Add.- JSQ 38,ACC Colony ,Kymore , Katni (M.P.) Phone No.-7987122096 Email-kkchandra99@gmail.com DOA- 11-06-24
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr.Ratnesh Kumar Pandey Add.- Satna (M.P.) Phone No.-8234061178 Email-kkchandra99@gmail.com DOA- 01-11-20
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	06-08-2020 Period-2020-21 To 2024-25
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	06/08/2020 Period – 2020-21 To 2024-25
27	Mineral(s) granted in lease and approved for Mining	Limestone & Dolomite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully 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	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not Proposed	Nil	
1e	Balance reserves as on 01.04.2024	1231335MT	1231335MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is explored in G1 scale.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N-2651317-2651586 E- 444070 - 444532	N-2651317-2651586 E- 444070 - 444532	

2b	Separate benches in topsoil overburden and mineral (Rule 15)	(Top Soil)B1-6m (OB) B2-7.5m (Lime stone) B3-6.75m B6-6m B8-4m B9-5m	(Top Soil)B1-6m (OB) B2-7.5m (Lime stone) B3-6.75m B6-6m B8-4m B9-5m	
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.06	
2d	Quantity of topsoil generation in m ³	784	100	Violation pointed out Rule 11(1).
2e	Quantity of overburden generation in m ³	36729	6585	Violation pointed out Rule 11(1).
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

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)	260424	51880	Violation pointed out Rule 11(1).
3c	Recovery of Salable/usable mineral from ROM production	80%	85%	
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Not Proposed	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	NA	NA	

	reject			
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting will be done as per parameter spacing: 1.0m Burden: 0.8m Depth of hole: 1.5m Dia of hole: 33mm Charge per hole: 0.5 kg. Powder factor: 6MT/kg.	Drilling & blasting will be done as per parameter spacing: 1.0m Burden: 0.8m Depth of hole: 1.5m Dia of hole: 33mm Charge per hole: 0.5 kg. Powder factor: 6MT/kg.	
3k	Provision of mining machineries in mineral benches	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Water Tanker ,Jack hammer	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Water Tanker ,Jack hammer	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits	9.75 Ha.	9.6 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.33	1:0.06	
3o	Total area put in use under different heads at the end of year	1.OB DUMP – 3 2.BACK FILLING – 1.6 3.RECLAIMED AREA - 1.5 4.MINERAL STOCK - 1.0 5.ROAD – 0.1 6.PLANTATION – 0.55 7.INFRASTRUCTURE – 0.4	1.OB DUMP – 3 2.BACK FILLING – 1.5 3.RECLAIMED AREA - 1.5 4.MINERAL STOCK - 1.0 5.ROAD – 0.1 6.PLANTATION – 0.7 7.INFRASTRUCTURE – 0.4	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	214200	210587
		2020-21	254412	165727
		2021-22	257650	222020
		2022-23	256423	6260
		2023-24	260424	51880
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)	Spread over backfilled area	Spread over backfilled area	Backfilling Proposed.
4b	Location of topsoil, OB & mineral reject dumps	N-2651097 –N2651244 E- 444169 – E 444392 N-2651083 –E2651100 E-443985 – E-444164	N-2651097 – N2651244 E- 444169 – E 444392 N-2651083 –E2651100 E-443985 – E-444164 -	Backfilling Proposed.
4c	Number of Dumps within lease area and outside lease area	02	02	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	N-2651097 –N2651244 E- 444169 – E 444392 N-2651083 –E2651100 E-443985 – E-444164	N-2651097 –N2651244 E- 444169 – E 444392 N-2651083 –E2651100 E-443985 – E-444164 -	
4e	Number of Active & Alive dumps	Active Dump - 2	Active Dump - 2	
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	Not proposed	Not proposed	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	400 mtr x2mtr X 1 mtr.	
4j	Number of settling ponds	1	1	
4k	Specific commends of inspecting officer on waste dump management			

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	Complete extraction of mineral from mined out area proposed before starting backfilling.	As per proposal	
5b	Area under backfilling of mined out area	0.1	0.01	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Afforestation	Afforestation	
5d	Total area fully reclaimed & rehabilitated	1.5	1.5	

5e	General remarks of inspecting officer on backfilling, reclamation etc	
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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	Annual PMCP report it will be submitted before 1 st day of July every year	Annual report of PMCP submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.1	0.8	
	iii) No. of saplings planted during the year	100	100	
	iv) Cumulative no. of plants	6000	5920	
	v) Any other specific method of rehabilitation	Not proposed	NIL	
	vi) Cost incurred on watch & care during the year	Not proposed	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	i)0.1 ii) NIL iii)Nil iv)NIL v)NIL	i)0.01 ii) NIL iii)Nil iv)NIL v)NIL	

	means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i) Nil ii) Nil iii) Nil	i) Nil ii) Nil iv) Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water, Noise levels will monitored on periodically	Compliance of Environment monitoring done and in-house monitoring system are working continue	
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 produced to be supplied to steel plant & cement plant	ROM Mineral produced supplied to steel plant & cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	BF GRADE.	BF GRADE.	
7d	Any beneficiation process at mines	NA	NA	
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)	Top soil is proposed to be spread over backfilled area.	Generated top soil is proposed to spread over backfilled area.	
8b	Concurrent use or storage of topsoil	Top soil is proposed to be spread over	Generated top soil is proposed to	

		backfilled area.	spread over backfilled area.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	One Separate dump of OB	One Separate dump of OB	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not Proposed	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Proposed	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Area has proposed on barrier zone – 0.1 Ha.	Area has proposed on barrier zone – 0.1 Ha.	
8g	Survival rate	Not Proposed	70%	
8h	Water sprinkling on roads to control airborne dust	Regular Water sprinkling will be maintained to control airborne dust.	Regular water sprinkling at roads, haul roads maintain the SPM concentration within limit	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR and AR of 2023-24 to be submitted.	MR and AR of 2023-24 has been submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager : SHRI P.D. TIWARI Mining Engineer in charge: SHRI P.D. TIWARI Geologist in charge : Shri RATNESH KUMAR PANDEY
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 1.600 1.600 (ii) Covered under current (O-C) Workings 0.000 9.200 9.200 (iii) Reclaimed-rehabilitated 0.000 0.600 0.600 (iv) Used for waste disposal 0.000 3.850 3.850

			(v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.500 0.500 (vi) Used for any other purpose (specify) GREEN BELT 0.000 2.450 2.450 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000
9d	Scrutiny of Annual return on afforestation	Given	i) Number of trees planted during the year 250 150 ii) Survival rate in percentage 75 50 iii) Total no. of trees at the end of the year 5775 595
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Given	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock at mine-head: 11459.56 T(BF Grade)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	Ex-mine price- Rs. 416.82; production costs-Rs.203.22.
9i	Scrutiny of Annual return on Fixed assets	Given	Value of Fixed Assets* (₹ 49021935).
9k	Scrutiny of Annual return on mining Machineries	Given	DUMPER 15.000 TONNE 3 Non Electrical Opencast BACK HOE 0.900 CUM 1 Non Electrical Opencast AIR COMPRESSOR 325.000 CUM/MN 1 Non Electrical Opencast FRONT END LOADER 2.000 CUM 1 Non Electrical Opencast ELEC. MOTOR 100.000 HP 1 Electrical Opencast GENERATOR (DIESEL) 125.000 KWH 1 Non Electrical Opencast WATER TANKER 3000.000 LITRE 1 Non Electrical Opencast

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)					

Date: 22.01.25

Robert Simon C

Assistant Controller of Mines