

## MCDR INSPECTION REPORT

### GENERAL INFORMATION

S.No.	Particulars	Details
1	Name of the Mine	ABER Limestone Mine
	Date of Inspection:	19-07-2024
	Name of Inspecting Officer	Robert Simon C
2	Total Lease area (Ha) with break-up of Non –forest and Forest Land	17.408(Non Forest land)
3	Mine code	38MPR35284
4	IBM Registration Number under rule 45 of MCDR-1988	IBM/6499/2011
5	Name of lessee, address, phone, email and Fax. No.	Smt Ratna Singh
6	Villages	Aber
7	Taluka/Mandal/Tehsil	Rampur Baghelan
8	District	Satna
9	Pin Code	485772
10	State	M.P
11	Post office	Aber
12	Nearest Police Station	Satna
13	Nearest Railway Station	Satna
14	Date of Grant of Mining Lease	02.09.2003
15	Date of Execution	31.03.2005
16	Date of opening of Mine	Not available
17	Date of first Renewal, if applicable and its period & expiry	23/3/2021
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	Smt. Ratna Singh Tomar Ward No 42 Near Veterinary Hospital Krishna Nagar Satna.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	--
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Ashish Mishra
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. Ashish Mishra
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri. Vikas Singh

25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	28/10/2020 (28/10/2020-31/03/2025)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Minerals(s) granted in lease and proved for mining	Limestone
28	Method of Mining(open Cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual.	Fully Mechanized
30	Captive/Non captive	Non Captive

### **Exploration**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Ni	
1b	Exploration over lease area for Geological axis 1 or 2.	Proposed to explore in G1 level	G2	Violation pointed out under Rule 12 of MCDR 2017.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Proposed to explore in G1 level	G2	Violation pointed out under Rule 12 of MCDR 2017.
1e	Balance reserves as on 31.03.2024	Not specified	1289652 T	
1f		As per your Annual return, the estimated reserves are still in G2 and therefore the lease area is yet to be considered in G-1. Further no Geological study report is submitted. Thus, there is violation of the rule.		

### **Development**

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease are	South Eastern Part of the lease area	The excavation of Quarry was found extended within 7.5m statutory barrier zone and beyond mining lease area between the	Violation pointed out under Rule 11(1) of MCDR 2017.

			ML boundary pillars nos. BP-30 to BP-42.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15) Length x Width x Height	Proposed separate benches in Laterite and Limestone	Maintaining the separate benches	
2c	Stripping ratio or ore to OB ratio	1:0.26	1:0.26	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	103576	103105	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The excavation of Quarry was found extended within 7.5m statutory barrier zone and beyond mining lease area between the ML boundary pillars nos. BP-30 to BP-42 and so violation is issued under Rule 11(1).		

#### D)Exploitation-

S. No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	388410 T	386710 T	
3c	Recovery of saleable/usable mineral from ROM production	60% and rest 40% is intercalated waste	60% and rest 40% is intercalated waste out of the 60% ROM entire ROM is being dispatched	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not Applicable	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	Not Applicable	
3h	Manual / Mechanised method adopted for	Mechanized method proposed for	Mechansied Screening is	

	segregating from ROM	segregation from ROM	found at the mines	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches	yes	As per the proposal	
3k	Provision of mining machineries in mineral benches	Yes	Front end loader - 1.2 Cum - 03 nos Dumper - 16.00 Tons - 02 Nos Dumper - 10.00 Tons - 02 Nos Water Tanker - 5000 Ltr -01 nos Pumps ( Non-Electric ) - 01 nos	
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	Not specified	8.4 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.26	1:0.26	
3o	Total area put in use under different heads at the end of year	Not specified	9.85 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19=318849 2019-20=382381 2020-21=330000 2021-22=388845 2022-23=392400 2023-24=388410	8400 187891 129360 222820 289220 386710	
3q	General remarks of inspecting officer on method of mining etc.			

### **E) Solid Waste Management-Dumping**

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of OB proposed.	Dumping of overburden material found beyond mining lease near BP-07 to BP-09 & BP-14 to BP-	Violation pointed out under Rule 11(1) of MCDR 2017.

			20 which attract the violation of approved proposals.	
4b	Location of topsoil, OB & mineral reject dumps	OB dumping proposed on southern side	Dumping of overburden material found beyond mining lease near BP-07 to BP-09 & BP-14 to BP-20 which attract the violation of approved proposals.	Violation pointed out under Rule 11(1) of MCDR 2017.
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)	Within UPL	Within UPL	
4e	Number of active & alive dumps	02	02	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	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	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			

### **Solid Waste Management-Backfilling-**

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not applicable	
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	Top OB is being used plantation.	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	

5e	General remarks of inspecting officer on backfilling, reclamation etc	Pits have not been fully extracted to propose or carry out the backfilling.
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### G) Progressive Mine Closure Plan-

S.No	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) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	0.20 ha	0.20 ha	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not proposed	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0.20 ha	0.20 ha	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Environmental monitoring done	
6f	General remarks of inspecting officer on PMCP			

	compliance & progressive	
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### Mineral Conservation

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	ROM dispatch after screening	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not Applicable	
7c	Different grade of mineral sorted out at mines	Not proposed	Not Applicable	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

### Environment

<u>S.No</u>	<u>Item</u>	<u>Proposals</u>	<u>Actual Work</u>	<u>Remarks</u>
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Generated top layer OB using for plantation	
8b	Concurrent use or storage of topsoil	Proposed for plantation	Utilizing for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste Dumps proposed	No mineral reject found only OB dumps exists	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation	Yes	PART-5 S.No.05 (Trees planted-survival rate). The details wrt to Total no.of	Violation pointed out under Rule 45(7) of MCDR 2017.

			trees at the end of the year is incorrectly furnished and is inconsistent with the attached PMCP report.	
8g	Survival rate	As per Proposal	80%	80%
8h	Water sprinkling on roads to control airborne dust	Dust suppression to be done.	Dust suppression done by using water tankers.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

### **Compliance of Rule 45**

<u>S.No</u>	<u>Item</u>	<u>Comments</u>		<u>Remarks</u>
9a	Status of submission of Monthly and Annual returns	M.R & A.R. submitted online		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Ashish Mishra Geologist: Vikas Singh	PART-1 S.No.07: The details wrt to Manager not provided.	Violation has issued under Rule 45(7)
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 12.992 12.992 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 1.043 1.043 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.099 0.099 (vi) Used for any other purpose (specify) GREEN BELT 0.000 0.010 0.010 (vii) Work done under progressive mine closure plan during the year 0.000 0.020 0.020	



9d	Scrutiny of Annual return on afforestation	Given	PART-5 S.No.05 (Trees planted-survival rate). The details wrt to Total no.of trees at the end of the year is incorrectly furnished and is inconsistent with the attached PMCP report.	Violation has issued under Rule 45(7)
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Given	30000	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Reported 6116.593 T of closing stock	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Given	Ex mine price reported as 302.67 rupees per T	
9i	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets* (₹33973518)	
9k	Scrutiny of Annual return on mining machineries	Given	FRONT END LOADER 1.200 CUM 3 Non Electrical Opencast DUMPER 16.000 TONNE 2 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 2 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast	

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)	23-OCT-24				
Rule 12	23-OCT-24				
Rule 45(7)	23-OCT-24				

Date:22.01.25

Robert Simon C

Assistant Controller of Mines

