

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/STN/LST-300

**Mine code :** 38MPR35284

- (i) Name of the Inspecting : **N008** ) **KATHROJU NAVEEN**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shi Sudeep Singh Tomar(Lessee representative), Geolog  
Official with  
Designation
- (iv) Date of Inspection : 08-JUL-23
- (v) Prev.inspection date : 22-DEC-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ABER (43.00 AC)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SATNA  
Village : ABER  
Taluka : RAMPUR BAGHELAN  
Post office : ABER  
Pin Code :  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SMT. RATNA SINGH  
correspondance W/O SHRI SUDHIR SINGH TOMER,  
KRISHNA NAGAR, , DIST. SATNA (M.P.)
3. (a) Lease Number : MPR2023  
(b) Lease area : 17.41  
(c) Period of lease : 20  
(d) Date of Expiry : 30-MAR-25
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : RATNA SINGH  
W/O SHRI SUDHIR SINGH  
TOMER, KRISHNA NAGAR,  
SATNA MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : RATNA SINGH  
W/O SHRI SUDHIR SINGH  
TOMER, KRISHNA NAGAR,  
SATNA MADHYA PRADESH  
Phone: NA  
FAX : NA

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31-JUL-14
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	20-OCT-15
	:	MP review under 17(1) MCR 2016	28-OCT-20

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 16 Bore holes in 2020-21.	16 Boreholes drilled in 2022-23.	
1b	Exploration over lease area for geological axis 1 or 2	Proposed to explore the lease area in G1 level in 2020-21	Explored the lease area in G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Engeotech consultancy , 4.50 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Nil	
1e	Balance reserve as on 01/04/20	12,06,512 T	16,76,375 T	
1f	General remarks of inspecting officers on geology, exploration etc			As per the last approved Review of mining plan dated 28/10/2020 reserves available are 23,17,757 T out of which the exploited reserves are 6,649,400 against the proposed exploitation of 11,11,245 T hence the balance reserves are 16,76,375T after exploration the reserves to be updated in next RMP.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South Eastern Part of the lease area	South Eastern Part of the lease area	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed separate benches in Laterite and Limestone	Maintaining the separate benches
2c	Stripping ratio or ore to OB ratio	1:0.26	1:0.20
2d	Quantity of topsoil generation in m3	Not proposed	Nil
2e	Quantity of overburden generation in m3	1,04, 640	77,125
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Waste Dumping carried out in location other than the proposed location against which violation is issued under Rule 11(1).

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	3,92,400 T	2,89,220 T	
3c	Recovery of sailable/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	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not proposed.	Nil	
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregation from ROM	Mechansied Screening is found at the mines	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Yes proposed	As per the proposal	
3k	Provision of mining machineries in mineral benches	Yes proposed	HEMM deployed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench widths less than proposed	Bench widths found less than the proposed against which violation has issued under rule 11(1).
3m	Total area covered under excavation/pits	Proposed 6.49 ha under pits during the plan period	3.80ha area covered by the pits during the RMP period till the RY.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.26	1:0.20	
3o	Total area put in use under different heads at the end of year	Proposed 8.243 ha area during the plan period	Total 4.26 ha area brought under use during the plan period till RY	
3p	Production of ROM mineral during the last five year period as applicable	2018-19=318849 2019-20=382381 2020-21=330000 2021-22=388845 2022-23=392400 2023-24(Till July)=388410	8400 187891 129360 222820 289220 155653(till July 23)	

3q General remarks of inspecting officers on method of mining etc.

Only 289220 Tonnes of Limestone was produced against the proposed production of 392400 Tonnes during 2022-2023 Against which violation is issued against the deviation under Rule 11(1) of MCDR-2017.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	As per the proposal	
4b	Location of topsoil, OB and mineral reject dumps	OB dumping proposed on southern side	OB dumping found at site other than the proposed	Against the deviation in location the violation has issued under Rule 11(1)
4c	Number of dumps within lease area and outside of lease area	02	02	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	Not available.	
4e	Number of active and alive dumps.	Not proposed.	Nil	
4f	Number of dead dumps.	Not proposed.	Nil	
4g	Number of dumps established.	Not proposed.	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	Not available	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	Nil	

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4j	Number of settling ponds	Not proposed.	Nil	
4k	Specific comments of inspecting officer on waste dump management			For the proposal year the Waste dumping proposed in between E 500656 to E500756 whereas the actual dumping found deviation in the approved location.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of 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	0.09 ha	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for plantation	Top OB is being used plantation	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not available.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Pits have not been fully extracted to propose or carry out the backfilling.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes to be submitted	Submitted.	

6b	Area available for rehabilitation (ha) .	0.20 ha	
6c	afforestation done (ha).	Not proposed	Nil
6d	No. of saplings planted during the year	Not proposed	Nil
6e	Cumulative no .of plants	Not proposed	Nil
6f	Any other method of rehabilitation	Not proposed	Nil
6g	Cost incurred on watch and care during the year	Not proposed	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Nil



6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Proposed 53 plants	3000 saplings reported where as not found on the ground.	Violation is given under rule 45 for reporting the incorrect details in Annual returns.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not propsoed	Reported 0.01 ha area under plantation.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be monitored	Monitoring	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			plantation not found as much as reported against which violation has pointed out under rule 45.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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 and beneficiation issues

ROM Dispatch is being observed

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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 and additional plantation done (Rule 41)	2000 plants proposed	Reported 3000 plants in Annual return but not observed in the field	Violation has issued ed under Rule 45 for the plantation reported in Annual returns.
8g	Survival rate	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 area	Violation has issued under Rule 45 for the plantation reported in Annual returns
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### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and Annual returns submitted on time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Ashish Mishra Geologist: Vikas Singh	Mining Engineer: Ashish Mishra Geologist: Vikas Singh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit 11.70 Ha Dump -0.88 Ha Others- 0.098 Ha PMCP-0.010 Ha	Pit 11.70 Ha Dump -0.88 Ha Others- 0.098 Ha PMCP-0.010 Ha	
9d	Scrutiny of Annual return on afforestation	Reported 3000 plants	Plantation not found as much as reported	Violation has issued under Rule 45(7)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	30,000 T	OB generated is applied for 12(k).	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Reported 1,14,717 T of stock	Stock available at the mine	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price reported as 320 rupees per T	Sale value has reported incorrectly against which violation has issued under rule 45(7)	
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets( 30288683/-)	Given	

9k	Scrutiny of	FRONT END	FRONT END LOADER
	Annual return on	LOADER	1.200 CUM 3
	mining	1.200 CUM 3	DUMPER 16.000 T
	machineries	DUMPER 16.000	2
		T	DUMPER 10.000 T 1
		2	WATER TANKER 5000.000 L
		DUMPER 10.000	2
		T 1	PUMPS (NON-ELEC.)
		WATER TANKER	650.000 L/MN 1
		5000.000 L 2	
		PUMPS (NON-	
		ELEC.)	
		650.000 L/MN 1	

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

**Date :****(KATHROJU NAVEEN)**

Indian Bureau of Mines

S.No	Violation Pointed out Under MCDR-2017	Date of Issue of VL	Compliance received	Date of Issue of SCN	Compliance received on for SCN
1	Rule 11(1)	04.08.2023	-	-	-
2	Rule 31(4)	04.08.2023	-	-	-
3	Rule 34(A)	04.08.2023			
4	Rule 45(7)	04.08.2023			