

**MCDR inspection REPORT**

**Jabalpur regional office**

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

**Mine code :** 38MPR35284

- (i) Name of the Inspecting : **G006** ) **ABHISHEK RANJAN GAUTAM**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Sidhir Singh Tomar, Lessee Representative, Shri  
Official with  
Designation
- (iv) Date of Inspection : 22-DEC-22
- (v) Prev.inspection date : 01-OCT-20

**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

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## 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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Total 16 Bore hole proposed for explored the area up to G1 level.	Only 11 Bore holes	Violation pointed out under rule 11(1).
1b	Exploration over lease area for geological axis 1 or 2	16.87 ha already explored in G2	16.87 ha already explored in G2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Proposed	ENGEOTECH CONSULTANT 1338, Vijay Nagar, Jabalpur (M.P.) Contact: 0761-2641694, 09425387402, 08989771405	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Total 16 Bore hole proposed for explored the area up to G1 level.	Only 11 Bore holes	Violation pointed out under rule 11(1).
1e	Balance reserve as on 01/04/20		122 - 1.974MT 222 - 0.705 MT	
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to Nagod Limestone of Upper Vindhyan of Vindhyan Super Group.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern-Southern part of the lease area	Northern- Southern part of the lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil,overburden and minerals proposed	Separate benches in topsoil,overburden and minerals maintained	
2c	Stripping ratio or ore to OB ratio	1:0.26	1:0.27	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	

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2e	Quantity of overburden generation in m3	103692 cubic meter	59270 cubic meter	Violation pointed out for less development.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Violation pointed out under rule 11(1) for less development as well as production.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	388845 Tons	222820 Tons	
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is sold	Entire ROM is sold	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects 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 segregating from ROM	Mechanized method proposed for segregation from ROM	Mechanized method adopted for segregation from ROM	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	No analysis or beneficiation study carried out.	

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3j	Provision of drilling and blasting in mineral benches	Yes proposed	Yes adopted
3k	Provision of mining machineries in mineral benches	Proposed	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	Proposed	found suitable
3m	Total area covered under excavation/pits		Covered under current pit - 10.495 ha Waste Dump - 0.730 ha Occupied by plant, building - 0.094 ha Other purpose - 0.010 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.26	1:0.27
3o	Total area put in use under different heads at the end of year		Covered under current pit - 10.495 ha Waste Dump - 0.730 ha Occupied by plant, building - 0.094 ha Other purpose - 0.010 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 208741 Tons 2018-19 - 318849 Tons 2019-20 - 328381 Tons 2020-21 - 330000 2021-22 - 388845 Tons	2017-18 - 19100 Tons 2018-19 - 8400 Tons 2019-20 - 187891 Tons 2020-21 - 129360 Tons 2021-22 - 222820 Tons

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

mining operation is worked by opencast mining, by adopting a system of deep hole/ small hole for blasting and or working with the help of heavy machineries for digging, excavation and removal of limestone, overburden and mine waste. The mine falls under 'A' category of Fully Mechanized type.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of mine was proposed	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Two OB dumps in south Eastern part of the lease.	Two OB dumps in south Eastern part of the lease.	
4c	Number of dumps within lease area and outside of lease area	02 within lease	02 within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside upl	Outside upl	
4e	Number of active and alive dumps.	2 Dumps	2 Dumps	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Garland drain : 155 m x 1 m x 0.5 mApprox.	

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4i	Length of Retaining wall or garland drain all along dumps		Garland drain : 155 m x 1 m x 0.5 mApprox.	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Two OB dumps in south Eastern part of the lease.

#### 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.	Full extraction of the mineral proposed before backfilling	Full extraction of the mineral adopted before backfilling	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for plantation	No topsoil generated in 2020-21.	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature enough for reclamation and 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	Submitted	

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6b	Area available for rehabilitation (ha) .	0.23 ha in the barrier zone	0.23 ha in the barrier zone
6c	afforestation done (ha).	Not done	Not done
6d	No. of saplings planted during the year	50 trees	50 trees planted
6e	Cumulative no .of plants	Not specified	Around 300 plants
6f	Any other method of rehabilitation	Not proposed	Not applicable
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	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not proposed	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not applicable

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6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.5 ha	0.5 ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried out as per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Progressive closer operations needs improvement

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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 mineral dispatch for domestic sale proposed	ROM mineral dispatch for domestic sale carried out	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Not proposed	Not applicable	
7d	Any beneficiation process at mines	Not proposed	Not applicable	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation process at mines proposed
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	topsoil to be utilised forplantation purpose	No topsoil generated	
8b	Concurrent use or storage of topsoil	topsoil to be utilised for plantation purpose	topsoil utilised for plantation purposes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	02 OB dumps proposed	02 OB dumps maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Number of trees planted during the year = 50 nos	
8g	Survival rate	70%	70%	

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8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs to be improved.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. submitted upto-Nov-2022 A.R. submitted upto-2021-22	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer - Shri Ashish Mishra Geologist - Shri Vikash Singh kachhwah	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Covered under current pit - 10.495 ha Waste Dump - 0.730 ha Occupied by plant, building - 0.094 ha Other purpose - 0.010 ha	
9d	Scrutiny of Annual return on afforestation		Number of trees planted during the year = 50 nos	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Opening stock - Nil Production - 222820 Tonnes Dispatch - 203532 Tonnes Closing Stock - 49584 Tones	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex mine price - Rs 322.79/- Production cost - Rs 294.41/-	

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9h	Scrutiny of Annual return on fixed assets	The value of fixed assets is mentioned as nil.
9k	Scrutiny of Annual return on mining machineries	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-Elecctric) - 01 nos

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**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
MCDR17	Rule 11(1)	18-JAN-23			
MCDR17	Rule 27(1)	18-JAN-23			
MCDR17	Rule 34(1)	18-JAN-23			

**Date :****(ABHISHEK RANJAN GAUTAM)**

Indian Bureau of Mines