

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-300

Mine code : 38MPR35284

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 01-OCT-20
- (v) Prev.inspection date : 08-MAR-18

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	nil	nil	
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	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	16.87 ha in G2	16.87 ha in G2	
1e	Balance reserve as on 01/04/20	122 - 2317757 t	122 - 2317757 t	
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 part of the lease area	Northern 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			
2d	Quantity of topsoil generation in m3	nil	nil	

2e	Quantity of overburden generation in m3	91073	65000
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	328381 tonnes	187891 tonnes	
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.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
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
3j	Provision of drilling and 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	found suitable
3m	Total area covered under excavation/pits	8.01 ha	7.99 ha
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.28	1: 0.34
3o	Total area put in use under different heads at the end of year	9.9 ha	8.52 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16 86580 2016-17 133688 2017-18 208741 2018-19 318849 2019-20 328381	2015-16 0 2016-17 13200 2017-18 19100 2018-19 8400 2019-20 187891

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.
----	---	--

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	two OB dumps in south western part of the lease	two OB dumps in south western 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.	01	01	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	01	01	

4h	Whether Retaining wall or garland drain all along dumps are there.	nil	Garland drain : 155 m x 1 m x 0.5 m Approx.
4i	Length of Retaining wall or garland drain all along dumps	nil	Garland drain : 155 m x 1 m x 0.5 m Approx.
4j	Number of settling ponds	nil	nil

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 2019-20	
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	not submitted	violation pointed out
6b	Area available for rehabilitation (ha) .	0.23 ha in the barrier zone	0.23 ha in the barrier zone	
6c	afforestation done (ha).	0.23	0.23	
6d	No. of saplings planted during the year	50 trees	50 trees planted	
6e	Cumulative no .of plants	nil	200	
6f	Any other method of rehabilitation	nil	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	nil	nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	nil	nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	nil	nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	nil	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	as per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			progressive closer operations needs improvement

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.	proposed	as per proposal
7d	Any beneficiation process at mines .	not proposed	not done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	nil	no topsoil generated	
8b	Concurrent use or storage of topsoil	nil	nil	
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)	proposed	as per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	Number of trees planted during the year = 50 nos	
8g	Survival rate	not proposed	80 %	
8h	Water sprinkling on roads to control airborne dust	yes	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	yes	AR submitted till 2019-20 MR submitted till March - 2021	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	NIL	violation pointed out under rule 55(1) (c) (i) .
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Already exploited & abandoned by opencast (O/C) mining 0.232 Covered under current (O/C) Workings 4.028 Used for waste disposal 0.900 Occupied by plant, buildings, residential, welfare buildings & roads 0.090 Other Purpose (Green belt) 0.050 Work done under progressive mine closure plan during the year 0.010	
9d	Scrutiny of Annual return on afforestation	yes	Number of trees planted during the year 50 nos Survival rate in percentage 80.00	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	ex mine price of cement grade limestone is 357 rupees	
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 12345621	

9k	Scrutiny of	yes	FRONT END LOADER 0.000
	Annual return on		CUM 2 Non Electrical
	mining		Opencast
	machineries		DUMPER 16.000 TONNE 2
			Non Electrical Opencast
			DUMPER 10.000 TONNE 2
			Non Electrical Opencast
			WATER TANKER 10000.000
			LITRE 1 Non Electrical
			Opencast
			PUMPS (NON-ELEC.) 0.000
			L/MN 2 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
MCDR17	Rule 26(2)	16-OCT-20	05-APR-21				
MCDR17	Rule 45(5) (c	16-OCT-20	05-APR-21				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines