

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-3

Mine code : 38MPR18009

- (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 : 05-DEC-21
- (v) Prev.inspection date : 03-FEB-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMEHTA (9.86HECT.)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : AMEHTA
Taluka : VIJAYRAGHAVGARH
Post office : KAHANGAON
Pin Code : 483880
FAX No. : N. A.
E-mail : snsktkn@sancharnet.in
Phone : 07622- 221976, 222304
- (f) Police Station :
- (g) First opening date : 21-SEP-77
- (h) Weekly day of rest : SAT
2. Address for : M/S S.N.SUNDERSON & COMPANY
correspondance P.O.NO.39, CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0261
- (b) Lease area : 9.86
- (c) Period of lease : 50
- (d) Date of Expiry : 30-AUG-28
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.N.SUNDERSON & COMPANY
 P.O.NO.39, CIVIL LINES,
 KATNI MADHYA PRADESH
 Phone:52304, 54061
 FAX :07622-51976

Owner : S.N.SUNDERSON & COMPANY
 POST BOX.NO.39 JABALPUR
 ROAD, BARAGAWAN KATNI
 MADHYA PRADESH
 Phone: 52304, 54061
 FAX : 07622-51976

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	25-APR-97
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	25-AUG-04
		Mining Scheme rule 12 MCDR1988	14-NOV-06
		Modif.of approved Mining Plan	10-AUG-10
		Mining Scheme rule 12 MCDR1988	28-JUN-11
		MP modif under MCR 1960	31-AUG-16
		MP review under 17(1) MCR 2016	26-NOV-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	NA	No backlog of previous year as the mine was not in operation due to lack of ML extension
1b	Exploration over lease area for geological axis 1 or 2	No proposals	Previously 7.45 hect is explored upto G1 and 2.41 hect is explored in G2.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	total lease area is 9.86 hect, out of which 7.45 hect is explored upto G1 and 2.41 hect is explored in G2. therefore total 2.41 hect needs to explored upto G1	
1e	Balance reserve as on 01/04/20	No proposals	As on 04.12.2021 111-522872 tonnes 122-544875 tonnes 211-133344 tonnes 222-206532 tonnes	fresh estimation as per MEMC rule 2015 done.
1f	General remarks of inspecting officers on geology, exploration etc			The lease area from a part of the Semri Group and comprises rocks belonging to Rohtas formation of lower Vindhyan system consists limestone which is grey, light gray, fine to Medium Grained and Slightly fractured.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to develop the quarry towards west. The orientation of the working will be along NE-SW. The OB removal will be carried out in one bench of average height 4m sloping at 45°. The width of the bench will vary from 10 to 15m. Production will be carried out from 5 benches.	Nil	The mine was not in operation due to lack of ML extension.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Nil	The mine was not in operation due to lack of ML extension.
2c	Stripping ratio or ore to OB ratio	Proposed	NA	The mine was not in operation due to lack of ML extension.
2d	Quantity of topsoil generation in m3	21800	Nil	The mine was not in operation due to lack of ML extension.
2e	Quantity of overburden generation in m3	58560	Nil	The mine was not in operation due to lack of ML extension.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	Nil	The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.
3b	Quantity of ROM mineral production proposed	176115 tonnes	Nil	The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.
3c	Recovery of sailable/usable mineral from ROM production	No proposals	NA	
3d	Quantity of mineral reject generation	No proposals	NA	
3e	Grade of mineral rejects generation and threshold value declared.	No proposals	NA	
3f	Quantity of sub grade mineral generation.	No proposals	NA	
3g	Grade of sub grade mineral generation	No proposals	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposals	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	NA	
3j	Provision of drilling and blasting in mineral benches	Yes	Nil	The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.
3k	Provision of mining machineries in mineral benches	Yes	Nil	The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	NA	The mine was not in operation for more than 02 years due to lack of ML extension. The lessee had submitted non-lapsing letter from the State Government.
3m	Total area covered under excavation/pits	6.0 ha	4.4 hect	
3n	Ore to OB ratio for the pit/mine during the year.	Yes	NA	
3o	Total area put in use under different heads at the end of year	8.2 ha	6.5 ha	

3p	Production of ROM mineral during the last five year period as applicable	2016-17 111075 2017-18 152992 2018-19 179417 2019-20 148820 2020-21 176115	2016-17 Nil 2017-18 Nil 2018-19 Nil 2019-20 Nil 2020-21 Nil		The mine was not in operation during the block period due to lack of ML extension.
3q	General remarks of inspecting officers on method of mining etc.				The mine was not in operation due to lack of ML extension and hence no comments on mining method.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	Nil	The mine was not in operation due to lack of ML extension.
4b	Location of topsoil, OB and mineral reject dumps	Proposed	Nil	The mine was not in operation due to lack of ML extension.
4c	Number of dumps within lease area and outside of lease area	03 OB dumps within lease	03 OB dumps within lease previously maintained	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of active and alive dumps.	03	NA	
4f	Number of dead dumps.	Not proposed	NA	
4g	Number of dumps established.	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NA	

4i	Length of Retaining wall or garland drain all along dumps	Not proposed	NA	
4j	Number of settling ponds	Not proposed	NA	
4k	Specific comments of inspecting officer on waste dump management			The mine was not in operation due to lack of ML extension & hence no specific comments on waste dump management

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 mineral from mined out area before starting backfilling	Nil	The mine was not in operation due to lack of ML extension
5b	Area under backfilling of mined out area	Not proposed	1.3 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For plantation	Nil	
5d	Total area fully reclaimed and rehabilitated	1.6 ha	1.3 ha previously done.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mine was not in operation due to lack of ML extension & hence no specific comments on backfilling, reclamation etc

Progressive Mine Clousre Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed	Nil	The mine was not in operation due to lack of ML extension
6b	Area available for rehabilitation (ha) .	No proposals	Nil	
6c	afforestation done (ha).	No proposals	Nil	
6d	No. of saplings planted during the year	No proposals	NA	
6e	Cumulative no .of plants	No proposals	NA	
6f	Any other method of rehabilitation	No proposals	NA	
6g	Cost incurred on watch and care during the year	No proposals	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	3.0 ha	Nil	The mine was not in operation due to lack of ML extension
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.6 ha	Nil	The mine was not in operation due to lack of ML extension
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	1 ha	Nil	The mine was not in operation due to lack of ML extension

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals	NA	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals	NA	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals	NA	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Nil	The mine was not in operation due to lack of ML extension
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mine was not in operation due to lack of ML extension.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch proposed	Nil	The mine was not in operation due to lack of ML extension
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	Nil	
7c	Different grade of mineral sorted out at mines.	No proposals	Nil	
7d	Any beneficiation process at mines .	No proposals	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mine was not in operation due to lack of ML extension

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed for plantation	Nil	The mine was not in operation due to lack of ML extension
8b	Concurrent use or storage of topsoil	Plantation	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Ob & topsoil dumps proposed	Ob & topsoil dumps previously maintained	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling proposed	Nil	The mine was not in operation due to lack of ML extension
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposed	Nil	The mine was not in operation due to lack of ML extension
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals	Nil	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads proposed	Nil	The mine was not in operation due to lack of ML extension
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 in the future.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR & MR online submitted	Nil	The mine was not in operation due to lack of ML extension

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager SH.R.K. TIWARI Mining Engineer in charge Sh. R.K.Tiwari Geologist in charge SH. AJAY PANDEY
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Already exploited & abandoned by opencast (O/C) mining 4.400 Reclaimed/Rehabilitated 1.300 Used for waste disposal 2.000 Occupied by plant, buildings, residential, welfare buildings & roads 0.100 Other Purpose (Other) 0.35
9d	Scrutiny of Annual return on afforestation	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	Ex mine price Rs.360
9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

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 :

(ROBERT SIMON C)

Indian Bureau of Mines