

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST- 296

Mine code : 38MPR35230

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Kumar Shyamal Kishor, Shri Manoj Kumar Tripathi
Official with
Designation
- (iv) Date of Inspection : 10-FEB-21
- (v) Prev.inspection date : 14-MAR-16

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TILaura LIMESTONE (S.N.S)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : TILaura
Taluka : MAIHAR
Post office : PAHADEE
Pin Code : 485771
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : M/S S.N.S.(MINERALS) LTD.
correspondance P.O. MAIHAR, DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR1542
(b) Lease area : 3.77
(c) Period of lease : 20
(d) Date of Expiry : 10-DEC-15
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.N.S.(MINERALS) LTD.
 P.O. KACHANGAON, VIA
 KYMORE, JUKEHI (C.RLY),
 KATNI MADHYA PRADESH
 Phone:07674-232042
 FAX :07674-232042

Owner : S.N.S.(MINERALS) LTD.
 P.O. KACHANGAON, VIA
 KYMORE, JUKEHI (C.RLY),
 KATNI MADHYA PRADESH
 Phone: 07674-233648
 FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	30-NOV-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	15-NOV-11
		Mining Scheme rule 12 MCDR1988	16-APR-15
		Renewal under rule 24 MCR1960	26-JUN-15
		MP review under 17(1) MCR 2016	30-JUN-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	NIL	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
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	111- 0.121055 Million Tonne. 122 - 0.159753 Million Tonne.	111- 0.121055 Million Tonne. 122 - 0.159753 Million Tonne.	
1f	General remarks of inspecting officers on geology, exploration etc			limestone of the area belongs to bhander group of Vindhyan supergroup.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. 1	Pit no. 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	as per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.37	1:0.10	

2d	Quantity of topsoil generation in m3	2400 m3	500 m3	Violation pointed out
2e	Quantity of overburden generation in m3	7010 m3	2000 m3	Violation pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			the mine development was lagging and not as per the proposals of approved document.Hence violation under rule 11(1) was pointed out.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 no	01 no	
3b	Quantity of ROM mineral production proposed	24975.000 M.T.	24900.000 M.T.	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
3j	Provision of drilling and blasting in mineral benches	proposed	as per proposal
3k	Provision of mining machineries in mineral benches	proposed	jack hammer drilling carried out
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	as per proposal
3m	Total area covered under excavation/pits	0.186 HA.	0.186 HA.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.37	1:0.10
3o	Total area put in use under different heads at the end of year	0.196 HA.	0.196 HA.
3p	Production of ROM mineral during the last five year period as applicable	2015-16 16650.000 MT 2016-17 25005.000 MT 2017-18 15187.000 MT 2018-19 18170.000 MT 2019-20 24975.000 MT	2015-16 1771.500 MT 2016-17 0.000 MT 2017-18 0.000 MT 2018-19 0.000 MT 2019-20 24900.000 MT

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

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump of OB Soil and Mineral proposed	separate dumps maintained for OB, Soil and Mineral.	
4b	Location of topsoil, OB and mineral reject dumps	Within lease area	Within lease area	
4c	Number of dumps within lease area and outside of lease area	2 temporary dump (1 OB, 1 top soil)	2 temporary dump maintained (1 OB, 1 top soil)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within lease area	Within lease area	
4e	Number of active and alive dumps.	NA	NA	
4f	Number of dead dumps.	NA	NA	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	NA	NA	

4k Specific comments of inspecting officer 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 proposed before backfilling	Full extraction before backfilling adopted	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	NIL	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			area yet to be mined out to carry out 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 under rule 26(2) of MCDR 2017.

6b	Area available for rehabilitation (ha) .	Not Proposed	NIL
6c	afforestation done (ha).	Not Proposed	NIL
6d	No. of saplings planted during the year	Not Proposed	nil
6e	Cumulative no .of plants	NA	NA
6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	NA	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
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	NA	NA

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	As per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grading, Sorting & Sizing proposed within ML.	Grading, Sorting & Sizing proposed within ML.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not proposed	Nil	
7d	Any beneficiation process at mines .	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM directly sold and no beneficiation is carried out.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As per proposal	
8b	Concurrent use or storage of topsoil	Proposed	used in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Proposed	Number of trees planted during the year = 20 nos
8g	Survival rate	Not Proposed	Survival rate in percentage 85.00
8h	Water sprinkling on roads to control airborne dust	Yes	Carried out as per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	MR submitted upto March 2021 AR submitted upto 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	Mining Engineer - Shri Ram Bihari Bagri Geologist- Shri Manoj Kumar Tripathi	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Already exploited & abandoned by opencast (O/C) mining 1.660 ha.
9d	Scrutiny of Annual return on afforestation	yes	Number of trees planted during the year 20 nos Survival rate in percentage 85.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	Cement Grade Closing Stock 430 MT.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Ex mine price Rs. 384.09
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 71978
9k	Scrutiny of Annual return on mining machineries	yes	AIR COMPRESSOR 175.000 CUM/MN 1 no Non Electrical ROCK DRILL (NONELEC.) 122 MM 1 no Non Electrical

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
MCDR17	Rule 11(1)	23-APR-21			
MCDR17	Rule 26(2)	23-APR-21			
MCDR17	Rule 28(1)	23-APR-21			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines