

**INDIAN BUREAU OF MINES  
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

**MCDR INSPECTION REPORT**

**Jabalpur regional office**

**Mine file No :** MP/STN/LST- 296

**Mine code :** 38MPR35230

- (i) Name of the Inspecting : **K018** ) **KANHAIYA LAL**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sh. R.K.Pandey, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 14-MAR-16
- (v) Prev.inspection date : 16-DEC-13

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **TILaura LIMESTONE(S.N.S)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) 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
- (e) Police Station :
- (f) First opening date :
2. Address for : M/S S.N.S.(MINERALS) LTD.  
correspondance P.O. MAIHAR, DIST. SATNA (M.P.) 485771
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
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 : 26-JUN-15  
Plan/Scheme of Mining

## PART - II : TECHNICAL DETAILS/COMMENTS

## 1. Details about Average employment :

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	
Ministrial	1	
Workers	14	

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Housing					NONE FOR ALL HEA
Sub total					
Infrastructure					
Sub total					
Total					

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

During the previous inspection by Shri P.Nahar,AMG dated 16/12/2013 violation of rules 13(1) and 46 were pointed out to the lease on 25/03/2014.All the rules were considered complied .During the present inspection violation of rule 24 as mine working is temporarily closed from june 2015 but notice of this is not submitted to this office and rule 45(5) (a) & (b) observed and will be pointed out to the lessee.

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.

Not recommended.

## 5. Scientific Mining

Items	Proposal	Actual work done	Remarks
<b>A. Exploration (Rule 13)</b>			
a.Type of prospecting and exploration i.e. pitting, drilling	: Not proposed for the year 2014-15.	NA	
b.Total area covered	: Not proposed for the year 2014-15.	NA	
<b>B. Working (Rule 13)</b>			
a.Number and size of each pit (LxWxH)	: One pit of size 115MX35MX6M.	One pit of size 115-130MX92-137MX14M. observed	Pit bottom was waterlogged.Min ing operation is Temp. closed from June 2015.
b.Bench size(LxWxH)length can be defined as regular/irregular	: One bench in Top soil size115x11x1m,Two benches in lst- 85x12x2.5m & 80x12x2.5m.	one bench in o/b & 1 bench in 1st mineral observed	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.22	1:0.20	
d.Total area covered under excavation/pits	: 4025m2 in developed benches	About 1.58ha. area degraded due to pit since begining of the mine.	
<b>C. Waste disposal (Rule 13)</b>			
a.Location of dumps	: Backfilling proposed.	Backfilling done in some extent in proposed barrier zone.	
e.Yearly generation of waste quantity.	: 990cu.m.	1250cum.	
b.Method of dumping whether advancing/retreat	: Backfilling proposed.	Backfilling done	
c.Total area covered under waste dump.	: Backfilling porposed.	Backfilling done in some extent in proposed barrier zone.	
d.No.and size of each waste dump with No of steps/lift/bench	: Backfilling proposed.	No external dumping proposed neither observed in the lease area.	
<b>D. Production</b>			
b.Year wise production of last five year.	: 2011-12 - 38400t, 2012-13- 7424t, 2013-2014- 7424t, 2014-15- 9900t & 2015-16- 10000t	2011-12 -38399t, 2012-13- 7354t, 2013-2014- 7409t, 2014-15-9703t & 2015-16-1771t (till february 2016)	
<b>D. Reserve</b>			

a. Reserve position as : 280708Tonnes  
per latest MP/MS and limestone  
at the time of  
inspection.

Reserve as on 01/04/2015  
is 280708tonnes.

**RESERVE POSITION AS ON 01/04/2015**

<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	120955	CEMENT GRADE
Probable	159753	
Possible	0	
Total	280708	

**PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015**

Mineral	Production	Unit
LIMESTONE	9703.5	TON

**6. Conservation of Mineral - both quantitative and qualitative****Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral. : Only manual sizing & sorting carried out.

Efforts for improving percentage of recovery of ore. : Only manual sizing & sorting carried out.

**Mineral Rule 15**

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 70%

Number of benches in ore and waste. : One bench in top soil and 1. benches in mineral.

**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and total qty available during inspection with grade : NA

Number and size of each stack : NA

Location of stacking. : NA

Separate stacking from waste : No sub grade mineral generated.

Total area covered for stacking : NA

**Exploration data as on 31/03/ 2015**

No. of Boreholes	No. of Pits	No. of Trenches
1	1	0

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015**

Overburden/waste removed (in m3) :	1250
------------------------------------	------

**Utilisation of Sub Grade Mineral and Mineral Rejects**

Generated	Utilised	Stacked	(In Ton.)

**7. Environment Management - both quantitative and qualitativ****A. Land environment**

- a. Landscape. : Almost flat, gently, slope towards South.
- b. Aesthetic environment : This area is almost waste land and there is no aesthetic scenario has found with in M.L.
- c. Soil and land use pattern : Thickness of soil about 1.5m. Degraded by the mining-1.58ha. & rest is unbroken land.
- d. Agriculture : About 2.00ha. is Agriculture land & not occupied by the lessee.
- e. Forest (flora and fauna) : No forest land .
- f. Vegetation : There is no natural vegetation in the present area. About 25 trees planted in the barrier zone.
- h. Public building, places and monuments (protected, historical), places of worship and places of tourist : None.

**B Water environment.**

- a. Surface water : There is no any stream /nala/reservoir/with in the present status of M.L
- b. Ground water : Depth of ground water is 8m. to 10m. below the surface.
- c. Quality of water : Water from nearby village well near the mine area is potable.

**C. Air environment**

- a. Noise : The lessee does not carry out the regular monitoring of noise. Therefore not applicable.
- b. Air : NA
- c. Climatic condition : Sub-Tropical.

**D. Socio economic environment**

- a. Social and demographic profile. : The local habitats are from rural background with limited source of income. Main occupation is agriculture, animal rearing and labourers .
- b. Recommending health and safety. : The health of local habitats is good.
- c. Human settlement : There are around 12 villages situated within 5 Km. of the area with a collective population of about 13853.
- d. Recreational facility. : None.

**7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.**

<u>Water Management</u>				
Season	Station type	Station name	Parameter	Value
				Actual Excess

<u>Air data for excess parameters</u>				
Season	Station name	Type of area	Parameter	Value
				Actual Excess

PLANTATION DURING THE PREVIOUS YEAR    2014 - 2015

Area in Hect.

**TOP SOIL MANAGEMENT**

Quantity as on 31/03/2015



8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

Annual returns from 2013-14 & 2014-15 not submitted hence violation of rule 45(5)(a)&(b) will be pointed out to the lessee.

**PART - III : PERFORMANCE OF MINE OWNER**  
(In case of lease expiring within 2 years - as per guidelines)

**a. Compliance of terms and conditions of lease deed.**

Any special term and condition has not been imposed in the lease deed. All important terms and conditions of lease deed have been complied.

**b. Compliance of the provisions of MCDR, 88 and advise given.**

During the previous inspection by Shri P.Nahar, AMG dated 16/12/2013 violation of rules 13(1) and 46 were pointed out to the lease on 25/03/2014. All the rules were considered complied. During the present inspection violation of rule 24 as mine working is temporarily closed from June 2015 but notice of this is not submitted to this office and rule 45(5) (a) & (b) observed and will be pointed out to the lessee.

**c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.**

The mine is temporarily closed since June 2015.

**d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.**

Yes.

**e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.**

Mine working is temporarily closed from June 2015, however production is within proposed production as per approved documents.

**f. Whether adequate investment has been made by the lessee on the development of mine on mining machinery, operational and administrative building, residential accommodation for the employees.**

No any investment except development of the mine is not done.

**g. Measures taken by the lessee for protection of environment and ecology.**

No such measures taken by the lessee for protection of environment and ecology.

**h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.**

No mineral is not going to exhaust, hence not applicable.

**PART - IV : PROPOSALS FOR FURTHER ACTION FOR :**

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

None

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

None

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

None

Date :

(KANHAIYA LAL)

Indian Bureau of Mines