

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/SATNA/LST -295

**Mine code :** 38MPR35150

- (i) Name of the Inspecting : **SQ05** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 30-NOV-19
- (v) Prev.inspection date : 10-DEC-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **TAMORIA (42.567 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SATNA  
Village : TAMORIA  
Taluka : MAIHAR  
Post office : BHATIA  
Pin Code : 485771  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 16-FEB-01
- (h) Weekly day of rest : SUN
2. Address for : M/S S.N.S.(MINERALS) LTD.  
correspondance P.O. MAIHAR,  
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR2225  
(b) Lease area : 42.57  
(c) Period of lease : 30  
(d) Date of Expiry : 23-APR-31
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	:	Fresh under rule 22 MCR1960	22-MAR-00
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31-AUG-07
		Mining Scheme rule 12 MCDR1988	04-MAY-12
		Mining Scheme rule 12 MCDR1988	20-NOV-15
		MP modif under 17(3) MCR 2016	25-OCT-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In the year 2018-19, 3 Core and 2 DTH boreholes were proposed	Exploration not done as per the given proposal	violation for the deviation issued
1b	Exploration over lease area for geological axis 1 or 2	exploration proposed upto G1 level	No exploration carried out, therefore area not explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not furnished	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 level of area is to be explored for G1 level	exploration not carried out as per the given proposal	
1e	Balance reserve as on 01/04/20	as on 01/04/2017 111-5.733631 122-4.392000	as on 01/04/2019 111-5.192691 122-4.392000	
1f	General remarks of inspecting officers on geology, exploration etc			limestone of the lease area belongs to Nagod formation of Bhandar group of Vindhyan Super Group. limestone found with intercalated shale. grey in colour, fine grained.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	it was proposed to develop the quarry 2 and quarry 3 towards northern side	development work done as per proposal in the quarry 2 and quarry 3	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil Bench 1 (3meter) OB bench 2 (3-6 meter) Mineral Bench 3 (7.5 -9 meter)	Top Soil bench 01 (3 meter) OB bench 2 (4-6 meter) Mineral bench 3 (6-9 meter)
2c	Stripping ratio or ore to OB ratio	1:1.45	1:1.05
2d	Quantity of topsoil generation in m3	36000	30000
2e	Quantity of overburden generation in m3	131175	122857
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	275063	274900	
3c	Recovery of sailable/usable mineral from ROM production	80%	90%	bench wise variation
3d	Quantity of mineral reject generation	20%	10-15 %	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NIL	

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3f	Quantity of sub grade mineral generation.	Not proposed	NIL
3g	Grade of sub grade mineral generation	Not proposed	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	mechanised method adopted
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	NIL
3j	Provision of drilling and blasting in mineral benches	proposed	as per proposal
3k	Provision of mining machineries in mineral benches	proposed	as per proposal HEMM is being used in mineral benches
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed bench height suitable for mining	benches in OB Top Soil and in mineral suitable for mining as per proposal
3m	Total area covered under excavation/pits	2.896	2.800
3n	Ore to OB ratio for the pit/mine during the year.	1:1.45	1:1.04
3o	Total area put in use under different heads at the end of year	7.396	6.550
3p	Production of ROM mineral during the last five year period as applicable	2017-18-285335 2018-19-275063	2017-18-266040 2018-19-274900

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

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	separate dumps for OB and Top-soil	
4b	Location of topsoil, OB and mineral reject dumps	it is proposed to dump soil and OB waste in the northern portion of the lease area near to quarry -1	soil dumps at north portion of the lease area near to quarry -1, waste / ob dumps next to soil dumps	
4c	Number of dumps within lease area and outside of lease area	2 soil dumps, 2 OB / Waste dump 1 mineral dump within lease area	2 soil dumps, 2 OB / Waste dump 1 mineral dump (as per proposal within lease area)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	within UPL due to land constrain	
4e	Number of active and alive dumps.	3	3	
4f	Number of dead dumps.	Not proposed	NIL	
4g	Number of dumps established.	Not proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Retaining wall 30x1x1 m garland drain 300x1x1 m	
4i	Length of Retaining wall or garland drain all along dumps	Proposed	Retaining wall 30x1x1 m garland drain 300x1x1 m	

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4j	Number of settling ponds	Proposed	01
4k	Specific comments of inspecting officer on waste dump management		

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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.	Yes	After full-extraction of mineral, minedout area is being backfilled with the generated waste/ob	
5b	Area under backfilling of mined out area	2.60	2.0	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	top soil is proposed to be used in planttaion over backfilled area	top soil is being used in the planttaion over back-filled area	
5d	Total area fully reclaimed and rehabilitated	2.6	2.0	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extracted area is being back-filled and planttaion is being done over the back-filled area

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	proposed	Not submitted
6b	Area available for rehabilitation (ha) .	2.6	2.0
6c	afforestation done (ha).	proposed	around 1 hectare area used for afforestation
6d	No. of saplings planted during the year	2000	1500
6e	Cumulative no .of plants	12500	10000
6f	Any other method of rehabilitation	not proposed	NIL
6g	Cost incurred on watch and care during the year	not mentioned	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not proposed	NIL



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed	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.		

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	dispatch after grade wise sorting proposed	ROM is being sorted outside the ML
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	both method proposed	both method adopted depending upon the utilization outside the ML
7c	Different grade of mineral sorted out at mines.	proposed	out side ML sorting camp setup
7d	Any beneficiation process at mines .	Not proposed	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	top soil is being used in planttaion	
8b	Concurrent use or storage of topsoil	Yes	top soil is being used in planttaion	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal Top Soil , OB /waste seprately stacked	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	as per proposal OB /waste is being used backfilling
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)	proposed	as per proposal
8g	Survival rate	80%	75%
8h	Water sprinkling on roads to control airborne dust	proposed	as per proposal via water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	AR submitted upto 2018, MR submitted	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	Mines Manager-Gautam Karmakar, Mining Engineer-Taiyab Ali, Geologist-Manoj Tripathi
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	furnished
9d	Scrutiny of Annual return on afforestation	furnished	furnished
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	furnished	furnished
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	furnished
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	Ex-mine price 544.26 INR cost of production 236.00 INR
9h	Scrutiny of Annual return on fixed assets	furnished	58237386 INR for adjacent ML's also
9k	Scrutiny of Annual return on mining machineries	furnished	furnished

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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)	22-MAY-20			
MCDR17	Rule 26 (2)	22-MAY-20			
MCDR17	Rule 45 (5) (k)	22-MAY-20			
MCDR17	Rule 45 (5) (c)	22-MAY-20			

**Date :**

**(DEEPAK SHARMA)**

Indian Bureau of Mines