

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

MCDR INSPECTION REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-49

Mine code : 38MPR35071

- (i) Name of the Inspecting : **D014**) **R.R.DONGRE**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri D.Roy, GM Mines. & Sri A.K.Jain, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 15-JUL-15
- (v) Prev.inspection date : 14-NOV-13

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SAGMANIA**
- (b) Category : A Fully Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : MADHYA PRADESH
- District : SATNA
- Village : SAGMANIA
- Taluka : RAGHURAJ NAGAR
- Post office : SAGMANIA
- Pin Code : 485114
- FAX No. : N. A.
- E-mail : scw1@vsnl.com
- Phone : N. A.
- (e) Police Station :
- (f) First opening date :
2. Address for : M/S SATNA CEMENTS WORKS
correspondance P.O.BIRLA VIKAS, SANTA (M.P.) 485005
3. (a) Lease Number : MPR0379
- (b) Lease area : 1000
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SATNA CEMENTS WORKS
UNIT OF M/S BIRLA COR. LT
P.O.BIRLA VIKAS SATNA
MADHYA PRADESH
Phone:23581,23584
FAX :7672-25396

Owner : BIRLA CORPORATION LIMITED
BIRLA BUILDING, 9/1,
R.N.MUKHERJEE ROAD
KOLKATA WEST BENGAL
Phone: N. A.
FAX : N. A.

Agent : C.V.SINGH
P.O. BIDALA BIKAS DISTT.
SATNA MP SATNA MADHYA
PRADESH
Phone:
FAX :

6. Date of approval of Mining :
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
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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	16.00	16.00	30.30	30.00	
Medical facility	28.00	25.00	27.50	25.00	
Health	25.00	25.00	25.00	20.00	
Safety	20.00	20.00	20.00	500.00	
Sanitation	8.00	8.00	8.00	38.28	
Water supply	30.00	16.00	2.80	120.00	
Sub total	127.00	110.00	113.60	733.28	
Infrastructure					
Sub total			110.00		
Training	2.00	2.00	2.00	2.00	
Total	129.00	115.60	112.00	735.28	

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

In the current MCDR inspection violation of rule 13(1) and 45 (5) were found violated which has been communicated to the lesee. The rule 13 (1) was pertaining to the working site , exploration, and boundary pillars as per CCOM circular. The violation to the rule 45 (5) was pertaining to the incorrect submission of the annual return.

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, 1988, if recommended.

Not recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

a.Type of prospecting and exploration i.e. pitting, drilling	: it was proposed to drill 20 no of boreholes during the year 2015-16	lessee drilled the 16 no of boreholes and remaining 4 boreholes would be drilled upto 31 march 2016.	The cost incurred for exploration was Rs 190487.
b.Total area covered	: complete lease area	Since beginning the lessee drilled 775 bore all core total meterage 16341m. The whole of the area has been explored under detailed category i.e. G1. The lessee wants to explore the remaining lease area and to know the grade.	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: It was proposed to work in Quarry A and N! block	Lessee worked as proposal.	
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	Regular . First bench 9 m and second bench 5.5 m	
c.Ore to waste ratio pit wise if possible otherwise for mine	: A-Quarry 1:0.13 & NI block 1:0.15	A-Quarry 1:0.44 & NI block 1:0.10	
d.Total area covered under excavation/pits	: 347.58 hect	355.78 hect	

C. Waste disposal (Rule 13)

a.Location of dumps	: no external dumping.	Backfilling is being carried out as per the proposal	
e.Yearly generation of waste quantity.	: A QUARRY 402355 NI BLOCK 71996	A QUARRY 407532 NI BLOCK NIL	
b.Method of dumping whether advancing/retreat	: nil	backfilling is being carried out	
c.Total area covered under waste dump.	: nil	nil	
d.No.and size of each waste dump with No of steps/lift/bench	: nil	nil	

D. Production

b.Year wise production of last five year.	: from Quarry no A 3.48 MT & Quarry no N .72MT during last year.Production during last four year was 16.76 MT	during last year lessee produced from Quarry no A 3.19MT & Quarry no N 0 .53 MT .Lessee produced 13.46 MT in last four years.	Production was witin the limits
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6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral. : there is no scope as there is no generation of the sub grade mineral
 Efforts for improving percentage of recovery of ore. : there is no scope as there is no generation of the sub grade mineral

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : the recovery is 90%.
 Number of benches in ore and waste. : soil bench 2m
 HOB 1.75m
 ore benches 2 no first 9m then second bench 5.5m

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : there is no generation of sub grade mineral. however mineral rejects is stated as 184058 t from quarry A and 29963 t from NI blocks
 Number and size of each stack : there is no generation of sub grade mineral
 Location of stacking. : there is no generation of sub grade mineral
 Separate stacking from waste : there is no generation of sub grade mineral.
 Total area covered for stacking : there is no generation of sub grade mineral

Exploration data as on 31/03/

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR -

Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)
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7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : alluvial level ground.
 b. Aesthetic environment : normal
 c. Soil and land use pattern : Agricultural and barren land.
 d. Agriculture : Wheat, gram, maize
 e. Forest(flora and fauna) : nil
 f. Vegetation : neem, pipal etc.
 h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : nil

B Water environment.

- a. Surface water : There is no nala, river etc within the lease
 b. Ground water : The ground water level is about 20m below the ground surface
 c. Quality of water : normal

C. Air environment

- a. Noise : within limits
 b. Air : The parameters are within permissible limit
 c. Climatic condition : the climatic condition is tropical. In summer temperature goes to 45degree and in winter the temperature goes down to 8degree.

D. Socio economic environment

- a. Social and demographic profile. : mixed
 b. Recommending health and safety. : not applicable
 c. Human settlement : 20 villages average population 150 persons.
 d. Recreational facility. : normal social functions.

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

<u>PLANTATION DURING THE PREVIOUS YEAR</u>			-	Area in Hect.
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TOP SOIL MANAGEMENT

Quantity as on 31/03/

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

for the returns violation of rule 45 (5) has already been communicated

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.

not applicable in view od new MMDR Act 2015.

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.

not applicable in view od new MMDR Act 2015.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

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

nil

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

nil

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

nil

Date :

(R.R.DONGRE)

Indian Bureau of Mines