

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION

MCDR INSPECTION REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-302

Mine code : 38MPR35277

- (i) Name of the Inspecting : S021) GIRISH SHRIVASTAVA
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri K.P.Nigam, Asstt. Vice President
Official with
Designation
- (iv) Date of Inspection : 11-SEP-15
- (v) Prev.inspection date : 13-FEB-11

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHATIA LIMESTONE 9.008 HA
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : MADHYA PRADESH
District : SATNA
Village : BHATIA
Taluka : MAIHAR
Post office : BHATIA
Pin Code : 485771
FAX No. : NA
E-mail : NA
Phone : NNA
- (e) Police Station :
- (f) First opening date : 04-APR-04
2. Address for
correspondance : M/S KJS CEMENTS LTD.
VILLAGE -. AMALIA, P.O. MAIHAR,
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR0443
- (b) Lease area : ~~7.75~~ 9.008
- (c) Period of lease : 20
- (d) Date of Expiry : ~~04-NOV-15~~ 1.8.23
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : KJS CEMENTS LTD.
 VILLAGE -. AMALIA, P.O.
 MAIHAR SATNA MADHYA
 PRADESH
 Phone:07674- 232042, 232089
 FAX :07674-232580

Owner : KJS CEMENTS LTD.
 A-7, Maharani bag NEW DELHI
 SATNA MADHYA PRADESH
 Phone: NA
 FAX : NA

6. Date of approval of Mining : 09-JUL-14
 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	2	200
Workers	14	
Supervisory	2	

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					
Water supply	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Public transport	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

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

During the previous inspection, violation of rule 45(5)(a) was pointed out. Rule 45(5)(a) was considered complied. During the current inspection, violation of rule 13(1), 23E(2), 42, 45(5)(a) and 45(5)(b) was pointed out and communicated 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, 1988, if recommended.

no suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: 06 boreholes of 30m depth	only 01 borehole was given .	Voilation of 13(1) is communicated to the lessee.
b.Total area covered	: 9.008 ha	none	prposed 05 Boreholes were not given .
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: one pit of 110mx105mx13m size	one pit of 120mx100mx7-8m	
b.Bench size(LxWxH)length can be defined as regular/irregular	: OB bench B-1 - height 1.5m,area-2710m2, Mineral bench B-2, height 6m area-1980m2 ,mineral bench B-3 , height 5 m area1250m2	OB bench 1.5 to 2m height , mineral bench B-2 3m and B-3 - height 3m over an area of 1-1.15 ha -regular benches	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.31	1:0.25	
d.Total area covered under excavation/pits	: 11304 m2	about one hectare	
C. Waste disposal (Rule 13)			
a.Location of dumps	: near pilllar no 1 and 21 (in souther part). .	one old dump was observed in the southern part.The waste generated during 14-15 was used in road maintainance .	
e.Yearly generation of waste quantity.	: 14-15- 5439 tonnes	3600 tonnes	
b.Method of dumping whether advancing/retreat	: waste of 14-15 was prposed to be used in road maintainance.	waste used in road.	
c.Total area covered under waste dump.	: waste of 14-15 was porposed to be used in road maintainance.	none	
d.No.and size of each waste dump with No of steps/lift/bench	: waste generated during 14-15 was prposed to used in road maintainance .	waste generated during 14-15was used in road maintainance .	
D. Production			

b. Year wise : 14-15 - 38526 14-15- 38496 tonnes
 production of last : tonnes
 five year.

D. Reserve

a. Reserve position as : Limestone- 1497694 Limestone- 1497724
 per latest MP/MS and : tonnes tonnes
 at the time of
 inspection.

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	1504482	cement
Probable		
Possible		
Total	1504482	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	38496	TON

6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral. : None

Efforts for improving percentage of recovery of ore. : None

Mineral Rule 15

Percentage of recovery of ore : 95% w.r.t ROM pitwise w.r.t. ROM and total material

Number of benches in ore and waste. : One bench in Ob and two bench in mineral

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : none, No subgrade is generated.

Number and size of each stack : None

Location of stacking. : None

Separate stacking from waste : none , no subgrade is generated so far.

Total area covered for stacking : None

<u>Exploration data as on 31/03/ 2015</u>		
No. of Boreholes	No. of Pits	No. of Trenches
1	0	0

<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015</u>	
Overburden/waste removed (in m3) :	3600

<u>Utilisation of Sub Grade Mineral and Mineral Rejects</u>			
Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : It is flat land slopping towards North.
- b. Aesthetic environment : only small bushes are there.
- c. Soil and land use pattern : It is a waste land having 1.5m to 2m thickness of soil.
- d. Agriculture : None
- e. Forest(flora and fauna) : None
- f. Vegetation : Only small bushes
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : there is no Public building, places and monuments (protected, historical), placec of worship and places of tourist.

B Water environment.

- a. Surface water : None
- b. Ground water : the ground water table varies between 325RL to 327 RL
- c. Quality of water : water Quality of nearby tubewell is potable.

C. Air environment

- a. Noise : Though it is a 'A' category of mine but manual mining is being carried out.Therefore there is no noise pollution .
- b. Air : Though it is a 'A' category of mine but manual mining is being carried out.Therefore there is no air pollution .
- 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 and main occupation is agriculture,animal rearing and laboure.
- b. Recommending health and safety. : None. the primary health facilities are available in nearby villages .
- c. Human settlement : There are about19-20 villages in the surrounding area having population of about 150 to 1500
- 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>				Value	
Season	Station type	Station name	Parameter	Actual	Excess

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

Scrutiny of annual return 14-15 was done and communicated to the lessee on 02/01/15

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.

ML is valid upto 01/08/23, therefore not applicable.

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

ML is valid upto 01/08/23, therefore not applicable.

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

ML is valid upto 01/08/23, therefore not applicable.

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.

ML is valid upto 01/08/23, therefore not applicable.

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

ML is valid upto 01/08/23, therefore not applicable.

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.

ML is valid upto 01/08/23, therefore not applicable.

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

ML is valid upto 01/08/23, therefore not applicable.

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.

ML is valid upto 01/08/23, therefore 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 : 11/4/16